The Geological Society of America Bulletin
Subject Index to Volume 113, No. 1-12, 2001

Absaroka Range *see* Beartooth Mountains
absolute age *see also* Ar/Ar; C-14; K/Ar; Pb/Pb; Sm/Nd; Th/U; U/Pb; U/Th/Pb; uranium disequilibrium
  California, Quaternary 2: 241-255
  Kentucky, stratigraphy 7: 825-836
abyssal fans *see* submarine fans
abyssolith *see* batholiths
Acadian Phase
  Vermont, structural geology 10: 1282-1298
accommodation zones
  California, plate tectonics 12: 1580-1592
  New Mexico, stratigraphy 5: 561-574
  Ohio, stratigraphy 7: 801-812
  Pennsylvania, stratigraphy 7: 801-812
accretionary wedges
  Atlantic Ocean, plate tectonics 4: 495-507
  California
    petrology 8: 1105-1118
    structural geology 2: 181-195
  Italy, Cenozoic 1: 4-19
  Oregon, petrology 8: 1105-1118
Ackerman Formation
  geochemistry 3: 360-372
action, frost *see* frost action
active faults
  California 4: 454-468
    plate tectonics 12: 1580-1592
    Quaternary 7: 855-869
  Mexico 6: 693-703
  New Zealand, Quaternary 8: 1079-1091
active margins
  Pakistan, tectonophysics 5: 625-639
active tectonics *see* neotectonics
actual age (absolute age) *see* absolute age
Adriatic Plate
  Italy, Cenozoic 1: 4-19
Africa *see also* Central Africa; East Africa; North Africa; Southern Africa
  stratigraphy, West African Shield 9: 1161-1170
aggradation
  Ohio, stratigraphy 7: 801-812
  Pennsylvania, stratigraphy 7: 801-812
Agnotozoic *see* Proterozoic
Al-26
  California, Quaternary 2: 241-255
  Kentucky, stratigraphy 7: 825-836
Alaska *see also* Alaska earthquake 1964
  Quaternary, Yakutat Bay 3: 388-402
  structural geology 7: 908-919
  tectonics 8: 961-975
Alaska earthquake 1964
  Alaska, Quaternary 9: 1193-1204
Albian
  Trinidad and Tobago 2: 256-264
algae
  diatoms, Washington 10: 1299-1311
algal stromatolites *see* stromatolites
alkali feldspar *see* sanidine
alkali metals *see* sodium
alkaline earth metals *see* calcium; magnesium; strontium
alkanes *see* methane
Alleghany Orogeny
  Pennsylvania, stratigraphy 1: 109-128
alluvial deposits *see* alluvium
alluvial fans
  California, Quaternary 2: 241-255
Alluvial soils
  Louisiana, Quaternary 11: 1456-1466
Alpine Orogeny
  France, sedimentary petrology 8: 1052-1066
  Italy, structural geology 5: 604-614
  Switzerland
    sedimentary petrology 8: 1052-1066
    structural geology 5: 604-614
Alps
  sedimentary petrology
    French Alps 8: 1052-1066
    Swiss Alps 8: 1052-1066
  stratigraphy 1: 129-143
  structural geology
    Pennine Alps 5: 604-614
    Swiss Alps 5: 604-614
Altiplano
  stratigraphy 11: 1387-1400
aluminum
  Al-26
    California 2: 241-255
    Kentucky 7: 825-836
amargosite *see* bentonite
American House Volcanics
  petrology 8: 1105-1118
Ammonoidea
  Trinidad and Tobago, stratigraphy 2: 256-264
Amniota
  Vertebrata 9: 1229-1233
Amphibia
  Oklahoma 9: 1229-1233
  Russian Federation 9: 1229-1233
amphibole group *see also* clinoamphibole
  California, petrology 8: 1105-1118
  Oregon, petrology 8: 1105-1118
  Quebec, structural geology 1: 144-160
amphibolite facies
  California, structural geology 7: 920-938
analogues, natural *see* natural analogs
ancient ice ages
  Western Australia, Proterozoic 9: 1121-1132
Andalhuala Formation
  Neogene 6: 728-742
Andes *see also* Altiplano; Bolivia
  Neogene, Argentine Andes 6: 728-742
  Quaternary 12: 1593-1610
andesites
  Mexico 10: 1324-1342
  Peru, Quaternary 12: 1593-1610
Angiospermae *see* Dicotyledoneae
angular unconformities
  Arizona, structural geology 2: 163-180
  Taiwan, stratigraphy 10: 1249-1271
anhysteretic remanent magnetization
  California, Quaternary 3: 346-359
annual growth rings *see* tree rings
Antarctica
  frost action, McMurdo dry valleys 11: 1401-1408
  geochemistry
    Queen Maud Range 3: 360-372
    Transantarctic Mountains 3: 360-372
  tectonics
    Ellsworth Mountains 7: 939-958
    Transantarctic Mountains 7: 939-958
antiform folds 3: 333-345
Antilles *see* Lesser Antilles
Aosta Valley Italy *see* Valle d'Aosta Italy
apatite
  Kazakhstan, structural geology 12: 1544-1559
  Kyrgyzstan, structural geology 12: 1544-1559
Apennines
  Cenozoic 1: 4-19
  stratigraphy 1: 129-143; 4: 469-481
Appalachian Basin
  stratigraphy 7: 801-812
Appalachian Mountains *see* Appalachians
Appalachian Phase
  Newfoundland, tectonophysics 4: 443-453
Appalachians
  stratigraphy 9: 1234-1246
  structural geology 1: 144-160; 10: 1282-1298
Apulia Italy
  Quaternary 5: 545-560
Apulian Plate *see* Adriatic Plate
aquifers *see also* recharge
  Mexico, ground water 3: 403-416
  Texas, Quaternary 12: 1532-1543
Ar/Ar
  Arizona, structural geology 2: 163-180
  Bolivia, stratigraphy 11: 1387-1400
  California
    Miocene 4: 419-442
    petrology 8: 1105-1118
    Quaternary 7: 855-869
  New Mexico, stratigraphy 5: 561-574
  Oregon, petrology 8: 1105-1118
  Quebec, structural geology 1: 144-160
  Utah, stratigraphy 3: 373-387
Arabian Sea
  Indus Fan 8: 1039-1051
aragonite
  Scotland, stratigraphy 6: 790-798
Archean
  Montana 10: 1312-1323
arcs, island *see* island arcs
Arctic Ocean
  stratigraphy
    Barents Sea 10: 1272-1281
    Lomonosov Ridge 10: 1272-1281
arenite
  Italy, Cenozoic 1: 4-19
Arequipa Peru
  Quaternary 12: 1593-1610
Argentina
  Neogene
    Argentine Andes 6: 728-742
    Pampean Mountains 6: 728-742
Argentine Andes
  Neogene 6: 728-742
argon-argon *see* Ar/Ar
Arizona
  petrology 10: 1343-1356
  Proterozoic
    Gila County Arizona 5: 650-658
    Mohave County Arizona 5: 575-590
  stratigraphy
    Coconino County Arizona 11: 1467-1485
    Mogollon Rim 11: 1467-1485
    Yavapai County Arizona 11: 1467-1485
  structural analysis 4: 532-535
  structural geology, Coconino County Arizona 2: 163-180
Arkhangelsk Russian Federation *see* Franz Josef Land
artesian waters
  Italy, Quaternary 5: 545-560
Artiodactyla
  Thailand, stratigraphy 2: 265-273
ash flows
  Peru, Quaternary 12: 1593-1610

Asia *see also* Far East; Himalayas; Indian Peninsula; Kyrgyzstan; Middle East
Jammu and Kashmir 8: 1039-1051
Karakoram 8: 1039-1051
stratigraphy
Gobi Desert 12: 1560-1579
Taymyr Peninsula 10: 1272-1281
structural geology
Karakoram 11: 1443-1455
Tien Shan 12: 1544-1559
tectonophysics, Hindu Kush 5: 625-639
asthenosphere
Antarctica, geochemistry 3: 360-372
Atlantic Coastal Plain
Oligocene 3: 291-304
Paleocene 5: 591-603
stratigraphy 6: 682-692
Atlantic County New Jersey
Oligocene 3: 291-304
Atlantic Ocean *see also* North Atlantic
Oligocene 3: 291-304
plate tectonics, Barbados Ridge 4: 495-507
Atlantic region
tectonophysics 4: 443-453
atmospheric precipitation
France, Paleocene 6: 774-789
atolls
Fiji, solution features 7: 837-854
Mexico, solution features 7: 837-854
Australasia *see* New Zealand
Australia *see also* Western Australia
fluvial features 9: 1205-1212
Avalon Zone
stratigraphy 9: 1161-1170
Avoyelles Parish Louisiana
Quaternary 11: 1456-1466
axial-plane structures
Vermont, structural geology 10: 1282-1298
backstripping
New Jersey, Oligocene 3: 291-304
Baie of Islands Ophiolite *see* Bay of Islands Ophiolite
Baja California Norte Mexico
metal ores 10: 1357-1374
Bajocian
Africa 1: 129-143
Europe 1: 129-143
Utah 3: 373-387
Baltica
Norway, metamorphic rocks 5: 640-649
Barbados Ridge
plate tectonics 4: 495-507
barchans
New Mexico, Quaternary 1: 88-108
Texas, Quaternary 1: 88-108
Barents Sea
stratigraphy 10: 1272-1281
barometry, geologic *see* geologic barometry
barrier beaches
Rhode Island, Quaternary 6: 714-727
basaltic domes *see* shield volcanoes
basalts *see also* lava; mid-ocean ridge basalts; shoshonite
Arizona, stratigraphy 11: 1467-1485
basculating faults *see* wrench faults
basin analysis *see also* backstripping
New Mexico 5: 561-574
Basin and Range Province *see also* Arizona; Great Basin; Mineral Mountains; Sevier Desert
Miocene 4: 419-442
neotectonics 6: 743-759
petrology 6: 760-773
basin inversion
California, structural geology 2: 196-221
Mongolia, stratigraphy 12: 1560-1579
basin range structure
California, structural geology 2: 196-221
basins *see also* basin inversion; drainage basins; foreland basins
Arizona 2: 163-180
Bolivia, structural geology 5: 560
California
geochemistry 7: 870-880
Miocene 4: 419-442
Quaternary 3: 346-359
Italy, Cenozoic 1: 4-19
Nevada, stratigraphy 3: 305-319
New Jersey, Oligocene 3: 291-304
New Mexico, stratigraphy 5: 561-574
Pakistan, sedimentary petrology 3: 320-332
basins, drainage *see* drainage basins
batholiths
California, geochemistry 11: 1486-1502
Mexico, geochemistry 11: 1409-1422
Bathonian
Africa 1: 129-143
Europe 1: 129-143
Scotland 6: 790-798
Utah 3: 373-387
Bay of Islands
tectonics 8: 1025-1038
Bay of Islands Ophiolite
tectonics 8: 1025-1038
Be-10
California, Quaternary 2: 241-255
Kentucky, stratigraphy 7: 825-836
Beartooth Mountains
phase equilibria 10: 1312-1323
Beaufort Group
Paleocene 5: 591-603
Beaver County Utah *see* Mineral Mountains
Beck Spring Dolomite
Proterozoic 5: 650-658
bed-load *see* bedload
bedded volcano *see* stratovolcanoes
bedding
Alaska, Quaternary 9: 1193-1204
bedding plane irregularities *see* mudcracks
bedload
Maine 12: 1522-1531
bentonite
Utah, stratigraphy 3: 373-387
Bergen Norway
metamorphic rocks 5: 640-649
Bernalillo County New Mexico
structural geology 1: 63-74
beryllium
Be-10
California 2: 241-255
Kentucky 7: 825-836
Betic Cordillera
stratigraphy 1: 129-143
Bingham County Idaho
hydrogeology 9: 1133-1141
biogenic structures *see* bioherms; bioturbation; stromatolites
biogeography
California, paleomagnetism 9: 1171-1178
Oklahoma, Vertebrata 9: 1229-1233
Russian Federation, Vertebrata 9: 1229-1233
bioherms
Fiji, solution features 7: 837-854
Mexico, solution features 7: 837-854
biostratigraphy *see also* biozones; paleoecology; palynomorphs 6: 704-713
Africa 1: 129-143
Bolivia 11: 1387-1400
Europe 1: 129-143
Florida 6: 682-692
France 6: 774-789
sedimentary petrology 8: 1052-1066
Nevada, neotectonics 6: 743-759
New Jersey 3: 291-304
Rhode Island, Quaternary 6: 714-727
Switzerland, sedimentary petrology 8: 1052-1066
Thailand 2: 265-273
Trinidad and Tobago 2: 256-264
biotite schist
Montana 10: 1312-1323
bioturbation
Taiwan, stratigraphy 10: 1249-1271
biozones
Pennsylvania, stratigraphy 1: 109-128
Washington, Quaternary 10: 1299-1311
Bishop Tuff
Quaternary 7: 855-869
Bivalvia *see also* Rudistae
Scotland, stratigraphy 6: 790-798
Black River Group 8: 1067-1078
Blackwater Draw Formation
Quaternary 1: 75-87; 1: 88-108
block clay *see* melange
block structures
California, structural geology 2: 196-221
Mexico, tectonics 9: 1142-1160
blueschist facies
California, structural geology 2: 181-195
Bolivia *see also* Altiplano
structural geology 5: 560
Borborema
magmas 4: 508-520
borderland, continental *see* continental borderland
bottom load *see* bedload
Brazil
magmas
Borborema 4: 508-520
Paraiba Brazil 4: 508-520
Pernambuco Brazil 4: 508-520
breccia
Russian Federation, stratigraphy 10: 1272-1281
brines
Illinois, sedimentary petrology 8: 1092-1104
British Columbia
tectonics 8: 961-975
brittle deformation
Utah 7: 895-907
Brora Coal Formation
stratigraphy 6: 790-798
Burin Peninsula
stratigraphy 9: 1161-1170
Butte County California
petrology 8: 1105-1118
Butte County Idaho
hydrogeology 9: 1133-1141
C-13/C-12
Argentina, Neogene 6: 728-742
Arizona, Proterozoic 5: 650-658
Atlantic Ocean, geochemistry 7: 881-894
California
Neogene 6: 728-742
Proterozoic 5: 650-658
France, Paleocene 6: 774-789
New Zealand, structural geology 8: 1010-1024
Scotland, stratigraphy 6: 790-798
C-14
Alaska, Quaternary 3: 388-402
California, Quaternary 7: 855-869
Nepal, Quaternary 2: 222-240
New Mexico, Quaternary 1: 88-108

Rhode Island, Quaternary 6: 714-727
Texas, Quaternary 1: 88-108
Washington, Quaternary 2: 274-288; 4: 482-494; 10: 1299-1311
Ca *see* calcium
Cainozoic *see* Cenozoic
Calaveras Fault
plate tectonics 12: 1580-1592
calc-tufa *see* tufa
calcarenite
Italy, Quaternary 5: 545-560
calcareous tufa *see* tufa
calcite
Colorado, sedimentary petrology 4: 536-544
calcium
Scotland, stratigraphy 6: 790-798
calderas
Pacific Ocean, volcanism 7: 813-824
Peru, Quaternary 12: 1593-1610
Caledonian Orogeny *see also* Caledonides
Newfoundland, tectonophysics 4: 443-453
Caledonides
metamorphic rocks 5: 640-649
California
geochemistry
Mariposa County California 11: 1486-1502
Salinian Block 7: 870-880
Sierra Nevada Batholith 11: 1486-1502
Sonoma County California 7: 870-880
Tuolumne County California 11: 1486-1502
Yosemite National Park 11: 1486-1502
Miocene
Death Valley 4: 419-442
Inyo County California 4: 419-442
Neogene, Santa Maria Basin 6: 728-742
neotectonics
Los Angeles Basin 4: 454-468
Los Angeles County California 4: 454-468
Santa Monica Mountains 4: 454-468
paleomagnetism
Mendocino County California 9: 1171-1178
Orange County California 9: 1171-1178
Riverside County California 9: 1171-1178
Salinian Block 9: 1171-1178
San Diego County California 9: 1171-1178
Santa Barbara County California 9: 1171-1178
Ventura County California 9: 1171-1178
petrology 10: 1343-1356
Butte County California 8: 1105-1118
Sierra County California 8: 1105-1118
plate tectonics
Calaveras Fault 12: 1580-1592
San Francisco Bay region 12: 1580-1592
Proterozoic, Inyo County California 5: 650-658
Quaternary 3: 346-359
Death Valley 5: 659-670
Inyo County California 2: 241-255; 5: 659-670; 7: 855-869
Mono County California 7: 855-869
structural geology
Inyo Mountains 8: 976-995
Mendocino County California 2: 181-195
Riverside County California 2: 196-221
San Bernardino County California 7: 920-938
Transverse Ranges 2: 196-221
Yolla Bolly Terrane 2: 181-195
Cambrian *see also* Ross Orogeny
Mexico 10: 1343-1356
Newfoundland 4: 443-453; 9: 1234-1246
South Africa 7: 939-958
United States 10: 1343-1356
Campanian
California 9: 1171-1178
Canada *see also* Eastern Canada; Western Canada
fluvial features 9: 1205-1212
Cape fold belt
tectonics 7: 939-958
Cape May County New Jersey
Oligocene 3: 291-304
carbon
C-13/C-12
Argentina 6: 728-742
Arizona 5: 650-658
Atlantic Ocean 7: 881-894
California 5: 650-658; 6: 728-742
France 6: 774-789
New Zealand 8: 1010-1024
Scotland 6: 790-798
C-14
Alaska 3: 388-402
California 7: 855-869
Nepal 2: 222-240
New Mexico 1: 88-108
Rhode Island 6: 714-727
Texas 1: 88-108
Washington 2: 274-288; 4: 482-494; 10: 1299-1311
carbon dioxide
Antarctica, frost action 11: 1401-1408
carbon-14 *see* C-14
carbonate platforms
Atlantic Ocean, geochemistry 7: 881-894
Western Australia, Proterozoic 9: 1121-1132
carbonate ramps
France, sedimentary petrology 8: 1052-1066
Switzerland, sedimentary petrology 8: 1052-1066
carbonate rocks *see* dolostone; limestone
carbonate sediments *see* carbonate platforms
carbonates *see also* aragonite; calcite; siderite
Atlantic Ocean, geochemistry 7: 881-894
Tanzania, Pliocene 12: 1505-1521
Carboniferous
Mexico 9: 1142-1160
Caribbean region *see* West Indies
Carmel Formation 3: 373-387
carst *see* karst
cartography
Cenozoic 1: 4-19
ground water 3: 403-416
Quaternary 7: 855-869
Cascade Range
Quaternary 2: 274-288
structural geology 11: 1423-1442
cataclasites
Utah, structural geology 7: 895-907
catchments *see* drainage basins
caves *see also* stalagmites
Kentucky, stratigraphy 7: 825-836
cement
Atlantic Ocean, geochemistry 7: 881-894
Cenozoic *see also* Quaternary; Tertiary
Alaska 7: 908-919
California 4: 454-468
Italy 1: 4-19
Kazakhstan 12: 1544-1559
Kyrgyzstan 12: 1544-1559
Mexico 10: 1357-1374
Sierra Ladrones Formation 5: 561-574
Central Africa *see* Gabon
Central Alps *see* Pennine Alps
Central Europe *see* Switzerland
central granite *see* batholiths
Cephalopoda *see* Tetrabranchiata
chain silicates *see* amphibole group
chalybite *see* siderite
chambers, magma *see* magma chambers
channel geometry
Maine 12: 1522-1531
channels
California, Quaternary 2: 241-255
Far East, fluvial features 9: 1205-1212
Middle East, fluvial features 9: 1205-1212
Mississippi Valley, Quaternary 5: 615-624
characteristic remanent magnetization
California, Quaternary 3: 346-359
Taiwan, stratigraphy 10: 1249-1271
Thailand, stratigraphy 2: 265-273
chartology *see* cartography
Chelan County Washington
structural geology 11: 1423-1442
chemical weathering
Antarctica 11: 1401-1408
chemically precipitated rocks *see* chert; evaporites; tufa
chemostratigraphy
California, Quaternary 3: 346-359
chert
Italy, stratigraphy 4: 469-481
Chickasha Formation
Vertebrata 9: 1229-1233
Chicxulub Crater
ground water 3: 403-416
Chiquimil Formation
Neogene 6: 728-742
Chomolungma *see* Mount Everest
Chordata *see* Vertebrata
chorology *see* biogeography
Chu River
structural geology 12: 1544-1559
Chuar Group
structural geology 2: 163-180
cinder cones
California, Quaternary 2: 241-255
Mexico, petrology 10: 1324-1342
cirques
Washington, Quaternary 2: 274-288
Clark County Nevada
geochemistry 9: 1213-1228
clastic dikes
Washington, Quaternary 4: 482-494
clastic rocks *see also* arenite; bentonite; claystone; conglomerate; diamictite; flysch; molasse; mudstone; radiolarite; red beds; sandstone; siliciclastics; siltstone; volcaniclastics
Thailand, strat:graphy 2: 265-273
clastic sediments *see also* alluvium; clay; colluvium; gravel; mud; sand
Alaska, Quaternary 9: 1193-1204
Kentucky, stratigraphy 7: 825-836
Nepal, Quaternary 2: 222-240
Washington, Quaternary 2: 274-288
clay 11: 1377-1386
Atlantic Ocean, plate tectonics 4: 495-507
clay mineralogy
Atlantic Ocean, plate tectonics 4: 495-507
Illinois 8: 1092-1104
Tanzania, Pliocene 12: 1505-1521
clay minerals *see* illite; smectite
claystone
Tanzania, Pliocene 12: 1505-1521
cleavage
California, structural geology 2: 181-195
cliff of displacement *see* fault scarps
climate change
Argentina, Neogene 6: 728-742
California
Neogene 6: 728-742
Quaternary 3: 346-359
Kentucky, stratigraphy 7: 825-836

Nevada, stratigraphy 3: 305-319
Texas, Quaternary 12: 1532-1543
Washington, Quaternary 2: 274-288
climatology, paleo- *see* paleoclimatology
clinoamphibole *see* cummingtonite
CO2 *see* carbon dioxide
coal *see* lignite
Coast plutonic complex
paleomagnetism 9: 1171-1178
Coast Ranges
plate tectonics 12: 1580-1592
structural geology 2: 181-195
coastal features *see* shore features
Cochiti Formation
stratigraphy 5: 561-574
Coconino County Arizona
stratigraphy 11: 1467-1485
structural geology 2: 163-180
colluvium
Nevada, stratigraphy 3: 305-319
Colorado
sedimentary petrology, Mineral County Colorado 4: 536-544
Colorado Plateau
stratigraphy 11: 1467-1485
Comal County Texas
Quaternary 12: 1532-1543
Commonwealth of Independent States *see* Kyrgyzstan; Russian Federation
composite volcano *see* stratovolcanoes
Concordia Parish Louisiana
Quaternary 11: 1456-1466
cones, cinder *see* cinder cones
conglomerate
Arizona, stratigraphy 11: 1467-1485
California
geochemistry 7: 870-880
Miocene 4: 419-442
Western Australia, Proterozoic 9: 1121-1132
Conodonta
Pennsylvania, stratigraphy 1: 109-128
contact metamorphism
Montana 10: 1312-1323
contemporaneous faults *see* growth faults
continental borderland
California, Quaternary 3: 346-359
continental crust
Antarctica, geochemistry 3: 360-372
Utah, structural geology 7: 895-907
continental drift *see* Gondwana; Iapetus; Laurentia; Pangaea
continental dunes
New Mexico, Quaternary 1: 75-87; 1: 88-108
Texas, Quaternary 1: 75-87; 1: 88-108
continental margin
California, paleomagnetism 9: 1171-1178
Italy, structural geology 5: 604-614
Newfoundland
stratigraphy 9: 1234-1246
tectonophysics 4: 443-453
South Africa, tectonics 7: 939-958
Switzerland, structural geology 5: 604-614
continental margin sedimentation 11: 1377-1386
California, Quaternary 3: 346-359
continental migration *see* continental drift
continental shelf
Russian Federation, stratigraphy 10: 1272-1281
continental-type crust *see* continental crust
coprolites *see* fecal pellets
coquina
Taiwan, stratigraphy 10: 1249-1271
cordierite
Montana, phase equilibria 10: 1312-1323
Cordillera Marianica *see* Betic Cordillera
Cordilleran Geosyncline
California, Miocene 4: 419-442
Mexico, petrology 10: 1343-1356
United States, petrology 10: 1343-1356
Cordilleran ice sheet
Washington, Quaternary 2: 274-288
core complexes *see* metamorphic core complexes
coronae 3: 333-345
coseismic processes
New Zealand, Quaternary 8: 1079-1091
Washington, Quaternary 10: 1299-1311
Crashsite Group
tectonics 7: 939-958
Craven County North Carolina
Paleocene 5: 591-603
Creede Formation
sedimentary petrology 4: 536-544
Cretaceous *see also* Laramide Orogeny
Albian, Trinidad and Tobago 2: 256-264
California 11: 1486-1502
Campanian, California 9: 1171-1178
Fiji 7: 837-854
Maestrichtian, California 9: 1171-1178
Mexico 4: 521-531; 7: 837-854; 10: 1357-1374
Mongolia 12: 1560-1579
Pakistan 5: 625-639
Washington 11: 1423-1442
crust *see also* geothermal gradient; heat flow
Arizona, Proterozoic 5: 575-590
continental crust
Antarctica 3: 360-372
Utah 7: 895-907
lower crust
Mexico 11: 1409-1422
Pakistan 11: 1443-1455
Mexico, tectonics 9: 1142-1160
middle crust
Pakistan 11: 1443-1455
Washington 11: 1423-1442
oceanic crust
Africa 1: 129-143
Europe 1: 129-143
crustal shortening
Bolivia, stratigraphy 11: 1387-1400
California, structural geology 2: 181-195
Nepal, Quaternary 2: 222-240
New Mexico, structural geology 1: 63-74
crustal thickening
Bolivia, stratigraphy 11: 1387-1400
Pakistan, structural geology 11: 1443-1455
Quebec, structural geology 1: 144-160
cummingtonite
Montana, phase equilibria 10: 1312-1323
currents, density *see* density currents
currents, turbidity *see* turbidity currents
Cypresshead Formation
stratigraphy 6: 682-692
dacites
Antarctica, geochemistry 3: 360-372
Mexico 10: 1324-1342
Peru, Quaternary 12: 1593-1610
Dacrydium
stratigraphy 6: 682-692
Dalslandian Orogeny *see* Sveconorwegian Orogeny
data bases
Fiji, solution features 7: 837-854
Mexico, solution features 7: 837-854
dating, fission-track *see* fission-track dating
Dauphin County Pennsylvania
stratigraphy 1: 109-128
Dauphin Formation
stratigraphy 1: 109-128
Death Valley
Miocene 4: 419-442
Quaternary 5: 659-670
debris flows 11: 1377-1386
California, Quaternary 2: 241-255
decay, radioactive *see* radioactive decay
decollement
Atlantic Ocean, plate tectonics 4: 495-507
Deep Sea Drilling Project *see* Leg 23
deep-sea fans *see* submarine fans
deformation *see also* extension tectonics; folds; foliation; fractures
brittle deformation, Utah 7: 895-907
California 7: 920-938; 8: 976-995
ductile deformation
California 2: 181-195
Vermont 10: 1282-1298
Mexico 6: 693-703
Pakistan 11: 1443-1455
deltas
Washington, Quaternary 10: 1299-1311
dendrochronology *see* tree rings
density currents 11: 1377-1386
denudation
Antarctica, frost action 11: 1401-1408
depositional fault *see* growth faults
desiccation
sedimentary petrology 1: 20-31
detachment *see* decollement
detachment faults
Arizona 4: 532-535
Nepal, Quaternary 2: 222-240
Newfoundland 8: 1025-1038
Utah 7: 895-907
detrital fan *see* alluvial fans
Devonian
Quebec 1: 144-160
Diablo Range
plate tectonics 12: 1580-1592
diagenesis
Atlantic Ocean, geochemistry 7: 881-894
Colorado 4: 536-544
Illinois 8: 1092-1104
Italy, stratigraphy 4: 469-481
Tanzania, Pliocene 12: 1505-1521
diamictite
Western Australia, Proterozoic 9: 1121-1132
diapirs
Brazil, magmas 4: 508-520
diatoms
Washington, Quaternary 10: 1299-1311
Dicotyledoneae *see* Pterocarya
dikes
Brazil 4: 508-520
Nevada, geochemistry 9: 1213-1228
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
Diligencia Basin
structural geology 2: 196-221
diorites *see* tonalite; trondhjemite
displacement theory *see* continental drift
disposal, waste *see* waste disposal
dolostone
Arizona, Proterozoic 5: 650-658
California, Proterozoic 5: 650-658
Tanzania, Pliocene 12: 1505-1521
drainage basins *see* valleys
drainage patterns
Mississippi Valley, Quaternary 5: 615-624
dry delta *see* alluvial fans

Dry Valleys region, Antarctica *see* McMurdo dry valleys
DSDP Site 224 8: 1039-1051
ductile deformation
California 2: 181-195
Vermont 10: 1282-1298
dunes *see* barchans; continental dunes
Durango Mexico
metal ores 10: 1357-1374
petrology 6: 760-773
dykes *see* dikes
Eagle Mountain Formation
Miocene 4: 419-442
earthquake sea wave *see* tsunamis
earthquakes *see also* geologic hazards; paleoseismicity; tsunamis
Alaska earthquake 1964, Alaska 9: 1193-1204
California, plate tectonics 12: 1580-1592
Mexico, structural geology 6: 693-703
East Africa *see* Tanzania
East Pacific *see* Northeast Pacific
Eastern Canada *see* Newfoundland; Quebec
eclogite facies
Italy, structural geology 5: 604-614
Norway, metamorphic rocks 5: 640-649
Switzerland, structural geology 5: 604-614
economic geology *see* brines; geothermal energy; lignite; limonite; metal ores; peat; pegmatite; polymetallic ores; uranium ores
Edmonson County Kentucky *see* Mammoth Cave
Edwards Aquifer
Quaternary 12: 1532-1543
Edwards Plateau
Quaternary 12: 1532-1543
Egan Formation
Proterozoic 9: 1121-1132
eklogite facies *see* eclogite facies
El Capitan Granite
geochemistry 11: 1486-1502
El Misti
Quaternary 12: 1593-1610
Ellsworth Mountains
tectonics 7: 939-958
Emilia-Romagna Italy
Cenozoic 1: 4-19
engineering geology *see* earthquakes; rock mechanics; soil mechanics; underground installations; waste disposal
environmental geology *see* geologic hazards; waste disposal
Eocene
Bolivia 11: 1387-1400
California 7: 870-880
France 8: 1052-1066
Sparnacian, France 6: 774-789
Switzerland 8: 1052-1066
Thailand 2: 265-273
Eogene *see* Paleogene
eolian features *see* barchans; continental dunes; sand sheets
epeirophoresis theory *see* continental drift
Er Riff *see* Rif
erosion *see also* erosion rates; exhumation
New Mexico
Quaternary 1: 88-108
stratigraphy 5: 561-574
Pakistan 8: 1039-1051
Texas, Quaternary 1: 88-108
erosion rates
Fiji, solution features 7: 837-854
Kentucky, stratigraphy 7: 825-836
Mexico, solution features 7: 837-854
eruptions *see also* explosive eruptions; volcanic risk
Mexico, petrology 10: 1324-1342
Pacific Ocean, volcanism 7: 813-824
eruptive rocks *see* volcanic rocks
estuarine sedimentation
Alaska, Quaternary 9: 1193-1204
Maine 12: 1522-1531
eugeosynclines
California, structural geology 7: 920-938
Eurasia
stratigraphy 10: 1272-1281
Europe *see also* Alps; Central Europe; Southern Europe; Western Europe
stratigraphy, Franz Josef Land 10: 1272-1281
eustasy
New Jersey, Oligocene 3: 291-304
Eutheria *see* Artiodactyla; Primates
evaporites
California, structural geology 2: 196-221
exhumation
California, structural geology 2: 181-195
Kazakhstan, structural geology 12: 1544-1559
Kyrgyzstan, structural geology 12: 1544-1559
Pakistan, sedimentary petrology 3: 320-332
Quebec, structural geology 1: 144-160
exogenous inclusions *see* xenoliths
explosive eruptions
Peru, Quaternary 12: 1593-1610
extension faults
Arizona 2: 163-180
South Africa 7: 939-958
extension tectonics
Arizona 3: 333-345
California 4: 532-535
Quebec 4: 454-468
facies *see* amphibolite facies; blueschist facies; eclogite facies; granulite facies
faecal pellets *see* fecal pellets
Fairweather Formation
geochemistry 3: 360-372
Far East *see* Indonesia; Japan; Mongolia; Taiwan; Thailand
fault blocks *see* block structures
fault scarps
California, Quaternary 7: 855-869
fault zones
Atlantic Ocean, plate tectonics 4: 495-507
California, neotectonics 4: 454-468
Indonesia, geothermal energy 9: 1179-1192
Nevada, neotectonics 6: 743-759
Pakistan, tectonophysics 5: 625-639
faults *see also* basin range structure; block structures; decollement; deformation; folds; fractures; grabens; half grabens; shear zones
active faults
California 4: 454-468; 7: 855-869; 12: 1580-1592
Mexico 6: 693-703
New Zealand 8: 1079-1091
detachment faults
Arizona 4: 532-535
Nepal 2: 222-240
Newfoundland 8: 1025-1038
Utah 7: 895-907
extension faults
Arizona 2: 163-180
South Africa 7: 939-958
growth faults
Arizona 2: 163-180
South Africa 7: 939-958
low-angle faults, Utah 7: 895-907
New Mexico, stratigraphy 5: 561-574
normal faults
California 4: 454-468; 7: 855-869
Nepal 2: 222-240
Nevada 6: 743-759
Quebec 1: 144-160
Utah 7: 895-907
reverse faults, California 4: 454-468
strike-slip faults
Alaska 7: 908-919
California 4: 419-442; 12: 1580-1592
Indonesia 9: 1179-1192
Mongolia 12: 1560-1579
New Mexico 1: 63-74
New Zealand 8: 1079-1091
tear faults, Nepal 2: 222-240
thrust faults
Alaska 3: 333-345
British Columbia 8: 961-975
Mississippi Valley 5: 615-624
Pakistan 11: 1443-1455
Quebec 1: 144-160
transcurrent faults, Italy 4: 469-481
transfer faults, California 7: 855-869
transform faults
Mexico 9: 1142-1160
Newfoundland 8: 1025-1038
transverse faults, Nevada 6: 743-759
wrench faults
California 12: 1580-1592
North Carolina 5: 591-603
features, fluvial *see* fluvial features
features, shore *see* shore features
features, solution *see* solution features
fecal pellets
Washington, sediments 6: 673-681
feeding ground *see* drainage basins
feldspar group *see* alkali feldspar
felsic composition
California, geochemistry 11: 1486-1502
fields, geothermal *see* geothermal fields
Fiji
solution features 7: 837-854
first occurrence
Oklahoma, Vertebrata 9: 1229-1233
Russian Federation, Vertebrata 9: 1229-1233
fission-track dating
Kazakhstan, structural geology 12: 1544-1559
Kyrgyzstan, structural geology 12: 1544-1559
flexure faults *see* growth faults
floodplains
Louisiana, Quaternary 11: 1456-1466
floods
Mexico, ground water 3: 403-416
Florida
stratigraphy, Polk County Florida 6: 682-692
fluid inclusions
New Zealand, structural geology 8: 1010-1024
fluvial environment *see* fluviolacustrine environment
fluvial features *see* alluvial fans; channels; drainage patterns; floodplains; incised-valley systems; meanders; rivers; terraces; valleys
fluvial sedimentation *see also* glaciofluvial sedimentation
Maine 12: 1522-1531
fluvial sediments *see* stream sediments
fluvial transport *see* stream transport
fluviolacustrine environment
Arizona, stratigraphy 11: 1467-1485
flysch
Pakistan 3: 320-332
fold and thrust belts
Bolivia, stratigraphy 11: 1387-1400
folds *see also* basins; cleavage; foliation; nappes
antiform folds 3: 333-345

monoclines, Arizona 2: 163-180
recumbent folds, Arizona 5: 575-590
synform folds, Vermont 10: 1282-1298
foliation *see also* axial-plane structures; cleavage
Arizona, Proterozoic 5: 575-590
Washington 11: 1423-1442
Foraminifera *see also* Rotaliina
New Jersey, Oligocene 3: 291-304
Russian Federation, stratigraphy 10: 1272-1281
foreland basins
Bolivia, stratigraphy 11: 1387-1400
France, sedimentary petrology 8: 1052-1066
Ohio, stratigraphy 7: 801-812
Pennsylvania, stratigraphy 7: 801-812
Switzerland, sedimentary petrology 8: 1052-1066
Taiwan, stratigraphy 10: 1249-1271
Formosa *see* Taiwan
fossil soils *see* Paleosols
fractures
joints, sedimentary petrology 1: 20-31
New Zealand 8: 1010-1024
polygonal fractures, sedimentary petrology 1: 20-31
framework silicates *see* feldspar group
France
Paleocene, Paris Basin 6: 774-789
sedimentary petrology, French Alps 8: 1052-1066
Franceville Basin
uranium ores 1: 32-62
Franciscan Complex
structural geology 2: 181-195
Franz Josef Land
stratigraphy 10: 1272-1281
freeze-thaw action *see* frost action
French Alps
sedimentary petrology 8: 1052-1066
frost action
Antarctica 11: 1401-1408
gabbros
Nevada, geochemistry 9: 1213-1228
Gabon
uranium ores, Oklo 1: 32-62
garnet group
California, geochemistry 7: 870-880
Gastropoda
France, Paleocene 6: 774-789
genesis of mineral deposits *see* mineral deposits, genesis
geobarometry *see* geologic barometry
geochemistry
lithogeochemistry
Antarctica 3: 360-372
Arizona 5: 650-658
California 5: 650-658
Mexico 11: 1409-1422
Nevada 9: 1213-1228
geochronology *see also* absolute age; Archean; Cambrian; Carboniferous; Cenozoic; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Oligocene; Ordovician; Paleocene; Paleogene; Paleozoic; Permian; Phanerozoic; Pleistocene; Pliocene; Precambrian; Proterozoic; Quaternary; Silurian; Tertiary; Triassic
stratigraphy 6: 704-713
geodesy *see* Global Positioning System; laser ranging; very long baseline interferometry
geologic barometry
Utah, stratigraphy 3: 373-387
geologic chronology *see* geochronology
geologic hazards *see also* floods; liquefaction; paleoseismicity; seismic risk; sinkholes; tsunamis; volcanic risk
Alaska, Quaternary 3: 388-402
geologic maps
California, Quaternary 7: 855-869
geologic thermometry
Utah, stratigraphy 3: 373-387
geological barometry *see* geologic barometry
geomorphology *see* fluvial features; frost action; glacial geology; mud volcanoes; sea-level changes; shore features; solution features
geophysical profiles *see* seismic profiles
geophysical surveys *see* seismic methods
geosynclines *see* Cordilleran Geosyncline; eugeosynclines; miogeosynclines
geotectonics *see* tectonics
geothermal fields
Indonesia, geothermal energy 9: 1179-1192
geothermal gradient
Pakistan, tectonophysics 5: 625-639
geothermal surveys *see* heat flow
geothermometry *see* geologic thermometry
German Rancho Formation
geochemistry 7: 870-880
Gila County Arizona
Proterozoic 5: 650-658
Ginkgo
Florida, stratigraphy 6: 682-692
glacial extent
Alaska, Quaternary 3: 388-402
glacial geology *see* cirques; glaciation; glaciers; ice movement; ice sheets; moraines
glacial lakes
Alaska, Quaternary 3: 388-402
glacial maximum, last *see* last glacial maximum
glacial sedimentation *see* glaciofluvial sedimentation
glaciation *see also* glaciers; ice movement
Nepal 5: 590
Western Australia, Proterozoic 9: 1121-1132
glaciers *see* ice movement; moraines
glaciofluvial sedimentation
Antarctica, frost action 11: 1401-1408
glaciology *see* glacial geology
glassy feldspar *see* sanidine
Global Positioning System
California, plate tectonics 12: 1580-1592
Globigerinacea *see* Neogloboquadrina pachyderma
glowing avalanche *see* ash flows
gneisses
California, structural geology 7: 920-938
Pakistan, structural geology 11: 1443-1455
Gobi Desert
stratigraphy 12: 1560-1579
Gold Run Formation
petrology 8: 1105-1118
Gondwana
Antarctica, geochemistry 3: 360-372
Mexico, tectonics 9: 1142-1160
Newfoundland, tectonophysics 4: 443-453
South Africa, tectonics 7: 939-958
Gothian Orogeny *see* Sveconorwegian Orogeny
Gotlandian *see* Silurian
gouge
Alaska, structural geology 7: 908-919
GPS tracking *see* Global Positioning System
grabens *see also* half grabens
Nepal, Quaternary 2: 222-240
Grand Canyon
structural geology 2: 163-180
Grand Canyon Series
structural geology 2: 163-180
Grande River *see* Rio Grande
granites *see also* leucogranite; pegmatite; quartz monzonite
Arizona, Proterozoic 5: 575-590
California
geochemistry 11: 1486-1502
structural geology 7: 920-938
Mexico, geochemistry 11: 1409-1422
granulite facies
Norway, metamorphic rocks 5: 640-649
Graptolithina
Pennsylvania, stratigraphy 1: 109-128
gravel
Arizona, stratigraphy 11: 1467-1485
gravity faults *see* normal faults
Great Bahama Bank *see* ODP Site 1008; ODP Site 1009
Great Basin
Proterozoic 5: 650-658
Quaternary 5: 659-670
Great Britain *see* Scotland
Great Plains *see* New Mexico; Texas
Great Sumatran Fault *see* Sumatra
Green River
stratigraphy 7: 825-836
Grenvillian Orogeny
Norway, metamorphic rocks 5: 640-649
grooved terrains 3: 333-345
ground water *see also* aquifers; infiltration; preferential flow; recharge
Kentucky, stratigraphy 7: 825-836
ground-water replenishment *see* recharge
growth faults
Arizona 2: 163-180
South Africa 7: 939-958
Gualala Basin
geochemistry 7: 870-880
Guerrero Terrane
geochemistry 11: 1409-1422
Gulf Coastal Plain
Quaternary 11: 1456-1466
Gulf of Mexico
solution features 7: 837-854
tectonics 9: 1142-1160
Gymnospermae *see* Ginkgoales
half grabens
Arizona, structural geology 2: 163-180
California, structural geology 2: 196-221
Mexico, structural geology 6: 693-703
hardground
Atlantic Ocean, geochemistry 7: 881-894
Hawthorn Formation *see* Peace River Formation
Hawthorne Formation *see* Hawthorn Formation
hazards, geologic *see* geologic hazards
heat flow *see* geothermal gradient
Heritage Group
tectonics 7: 939-958
hervideró *see* mud volcanoes
High Plains *see* Great Plains
Highland region Scotland *see* Sutherland Scotland
Himalaya Mountains *see* Himalayas
Himalayan Orogeny
Pakistan, sedimentary petrology 3: 320-332
Himalayas *see also* Nepal 8: 1039-1051
Quaternary, Mount Everest 5: 590
Hindu Kush
tectonophysics 5: 625-639
Holocene
Alaska 3: 388-402; 9: 1193-1204
Louisiana 11: 1456-1466
Nepal 2: 222-240
Rhode Island 6: 714-727
Texas 12: 1532-1543
Washington 4: 482-494; 10: 1299-1311

Hominidae
Tanzania, Pliocene 12: 1505-1521
hornfels
Montana 10: 1312-1323
hornstone *see* chert
Humber Arm Allochthon
stratigraphy 9: 1234-1246
Humber Zone *see also* Newfoundland
stratigraphy 9: 1234-1246
structural geology 1: 144-160
hurricanes
Rhode Island, Quaternary 6: 714-727
hydraulics
Maine 12: 1522-1531
hydrocarbons *see* aliphatic hydrocarbons
hydrogeology *see* ground water; springs
hydrology *see also* channel geometry; infiltration
Antarctica, frost action 11: 1401-1408
Fiji, solution features 7: 837-854
Louisiana, Quaternary 11: 1456-1466
Mexico, solution features 7: 837-854
hydrothermal alteration
Arizona, Proterozoic 5: 650-658
California, Proterozoic 5: 650-658
Gabon, uranium ores 1: 32-62
Indonesia, geothermal energy 9: 1179-1192
Iapetus
Newfoundland, tectonophysics 4: 443-453
Norway, metamorphic rocks 5: 640-649
Iberian Peninsula *see* Spain
ice mantle *see* ice sheets
ice movement
Alaska, Quaternary 3: 388-402
Washington, Quaternary 2: 274-288
ice rafting
Russian Federation, stratigraphy 10: 1272-1281
ice sheets
Texas, Quaternary 12: 1532-1543
ice-rafting *see* ice rafting
ICP mass spectra
California, geochemistry 11: 1486-1502
Scotland, stratigraphy 6: 790-798
Idaho
hydrogeology
Bingham County Idaho 9: 1133-1141
Butte County Idaho 9: 1133-1141
INEEL 9: 1133-1141
Jefferson County Idaho 9: 1133-1141
Snake River plain 9: 1133-1141
Snake River Plain Aquifer 9: 1133-1141
petrology 10: 1343-1356
Idaho National Engineering Laboratory (INEL) *see* INEEL
igneous rocks *see also* dikes; plutonic rocks
andesites
Mexico 10: 1324-1342
Peru 12: 1593-1610
basalts, Arizona 11: 1467-1485
dacites
Antarctica 3: 360-372
Mexico 10: 1324-1342
Peru 12: 1593-1610
gabbros, Nevada 9: 1213-1228
granites
Arizona 5: 575-590
California 7: 920-938; 11: 1486-1502
Mexico 11: 1409-1422
leucogranite
Brazil 4: 508-520
Pakistan 5: 625-639
mid-ocean ridge basalts, Antarctica 3: 360-372
minette, Arizona 11: 1467-1485
plutonic rocks
California 8: 976-995
Newfoundland 4: 443-453; 8: 1025-1038
pumice
Pacific Ocean 7: 813-824
Peru 12: 1593-1610
pyroclastics, New Mexico 5: 561-574
quartz monzonite, Nevada 9: 1213-1228
scoria, Peru 12: 1593-1610
shoshonite, Mexico 10: 1324-1342
tonalite, Washington 11: 1423-1442
trondhjemite, California 7: 870-880
tuff, Indonesia 9: 1179-1192
volcanic rocks, Newfoundland 4: 443-453; 9: 1161-1170
Illinois *see* Maquoketa Formation
Illinois Basin
sedimentary petrology 8: 1092-1104
illite
Illinois, sedimentary petrology 8: 1092-1104
impact craters
Mexico, ground water 3: 403-416
incised-valley systems
Arizona, stratigraphy 11: 1467-1485
Kentucky, stratigraphy 7: 825-836
Taiwan, stratigraphy 10: 1249-1271
inclination, magnetic *see* magnetic inclination
inclusions *see also* fluid inclusions
California, geochemistry 11: 1486-1502
xenoliths, Mexico 6: 760-773
increment *see* recharge
Indian Ocean *see also* Arabian Sea
solution features 7: 837-854
Indian Peninsula *see* Jammu and Kashmir; Nepal; Pakistan
Indonesia
geothermal energy, Sumatra 9: 1179-1192
inductively coupled plasma mass spectra *see* ICP mass spectra
Indus Fan 8: 1039-1051
INEEL
hydrogeology 9: 1133-1141
infiltration
Idaho, hydrogeology 9: 1133-1141
Norway, metamorphic rocks 5: 640-649
inner transition elements *see* rare earths
installations, underground *see* underground installations
interstadial environment
California, Quaternary 3: 346-359
intertidal sedimentation
Alaska, Quaternary 9: 1193-1204
Maine 12: 1522-1531
intrusions
Arizona, Proterozoic 5: 575-590
batholiths
California 11: 1486-1502
Mexico 11: 1409-1422
California, structural geology 7: 920-938
dikes
Brazil 4: 508-520
Nevada 9: 1213-1228
Pakistan 5: 625-639; 11: 1443-1455
Newfoundland, tectonics 8: 1025-1038
plutons
Alaska 8: 961-975
Brazil 4: 508-520
British Columbia 8: 961-975
California 8: 976-995
Mexico 4: 521-531; 11: 1409-1422
Nevada 9: 1213-1228
Newfoundland 4: 443-453
Pakistan 5: 625-639
Washington 11: 1423-1442
intrusive mountain *see* batholiths
Inverbrora Member
stratigraphy 6: 790-798
inversion tectonics
Arizona 2: 163-180
California 4: 454-468
inversion, basin *see* basin inversion
Invertebrata *see* Mollusca; Protista
Inyo County California *see also* Inyo Mountains
Miocene 4: 419-442
Proterozoic 5: 650-658
Quaternary 2: 241-255; 5: 659-670; 7: 855-869
Inyo Mountains
structural geology 8: 976-995
ion probe data *see* SHRIMP data
irruption (intrusion) *see* intrusions
island arcs
California, petrology 8: 1105-1118
Oregon, petrology 8: 1105-1118
Pacific Ocean, volcanism 7: 813-824
Trinidad and Tobago, stratigraphy 2: 256-264
Isognomon murchisoni
stratigraphy 6: 790-798
isothermal remanent magnetization
California, Quaternary 3: 346-359
Thailand, stratigraphy 2: 265-273
isotopes
Al-26
California 2: 241-255
Kentucky 7: 825-836
Be-10
California 2: 241-255
Kentucky 7: 825-836
C-13/C-12
Argentina 6: 728-742
Arizona 5: 650-658
Atlantic Ocean 7: 881-894
California 5: 650-658; 6: 728-742
France 6: 774-789
New Zealand 8: 1010-1024
Scotland 6: 790-798
C-14
Alaska 3: 388-402
California 7: 855-869
Nepal 2: 222-240
New Mexico 1: 88-108
Rhode Island 6: 714-727
Texas 1: 88-108
Washington 2: 274-288; 4: 482-494; 10: 1299-1311
Gabon, uranium ores 1: 32-62
Nd-144/Nd-143
Antarctica 3: 360-372
California 7: 870-880; 11: 1486-1502
Mexico 11: 1409-1422
Nevada 9: 1213-1228
O-18/O-16
Argentina 6: 728-742
Arizona 5: 650-658
Atlantic Ocean 7: 881-894
California 3: 346-359; 5: 650-658; 5: 659-670; 6: 728-742; 7: 870-880
France 6: 774-789
Illinois 8: 1092-1104
New Zealand 8: 1010-1024
Scotland 6: 790-798
Tanzania 12: 1505-1521
Pb-206/Pb-204, California 7: 870-880; 11: 1486-1502
S-34/S-32, Colorado 4: 536-544
Sr-87/Sr-86
Antarctica 3: 360-372
California 7: 870-880; 11: 1486-1502

France 6: 774-789
Mexico 11: 1409-1422
Nevada 9: 1213-1228
U-238/U-234, Idaho 9: 1133-1141
Israel
fluvial features 9: 1205-1212
Italy *see also* Apennines
Cenozoic, Emilia-Romagna Italy 1: 4-19
Quaternary, Apulia Italy 5: 545-560
stratigraphy
Liguria Italy 4: 469-481
Tuscany Italy 4: 469-481
structural geology
Piemonte Italy 5: 604-614
Valle d'Aosta Italy 5: 604-614
Izu-Bonin Arc
volcanism 7: 813-824
Jammu and Kashmir 8: 1039-1051
Japan
fluvial features 9: 1205-1212
Jefferson County Idaho
hydrogeology 9: 1133-1141
joints
sedimentary petrology 1: 20-31
Jotunheim Mountains
metamorphic rocks 5: 640-649
Juab County Utah
structural geology 7: 895-907
Jurassic
Bajocian
Africa 1: 129-143
Europe 1: 129-143
Utah 3: 373-387
Bathonian
Africa 1: 129-143
Europe 1: 129-143
Scotland 6: 790-798
Utah 3: 373-387
California 7: 920-938; 8: 1105-1118
Carmel Formation 3: 373-387
Italy 4: 469-481
Kimmeridgian
Africa 1: 129-143
Europe 1: 129-143
Mexico 10: 1357-1374
Mongolia 12: 1560-1579
Oregon 8: 1105-1118
Pakistan 5: 625-639
K/Ar
Arizona, stratigraphy 11: 1467-1485
Bolivia, stratigraphy 11: 1387-1400
Illinois, sedimentary petrology 8: 1092-1104
Kane County Utah
stratigraphy 3: 373-387
Karakoram
structural geology 11: 1443-1455
karst hydrology
Italy, Quaternary 5: 545-560
Kentucky, stratigraphy 7: 825-836
karst topography *see* karst
Kashmir and Jammu *see* Jammu and Kashmir
Katawaz Basin
sedimentary petrology 3: 320-332
Kazakhstan
structural geology, Chu River 12: 1544-1559
Kendall County Texas
Quaternary 12: 1532-1543
Kentucky *see also* Mississippi Embayment; New Madrid region
stratigraphy, Mammoth Cave 7: 825-836
Khojak Formation
sedimentary petrology 3: 320-332
Kimberley Basin
Proterozoic 9: 1121-1132
Kimmeridgian
Africa 1: 129-143
Europe 1: 129-143
Kirgizia *see* Kyrgyzstan
Klamath Mountains
petrology 8: 1105-1118
klippen
Pennsylvania, stratigraphy 1: 109-128
Krabi Basin
stratigraphy 2: 265-273
Krasnoyarsk Russian Federation *see* Taymyr Dolgan-Nenets Russian Federation
Kyrgyzstan *see* Tien Shan
lacustrine environment *see* fluviolacustrine environment
lacustrine sediments *see* lake sediments
lagoons
Fiji 7: 837-854
Mexico 7: 837-854
lake sediments
Colorado 4: 536-544
lakes *see* glacial lakes
lamellibranchs *see* Bivalvia
laminations
Italy, Quaternary 5: 545-560
Washington, Quaternary 4: 482-494
lamprophyres *see* minette
lanthanoans *see* rare earths
Laramide Orogeny
Mexico, geochemistry 11: 1409-1422
New Mexico, structural geology 1: 63-74
Las Arcas Formation
Neogene 6: 728-742
laser ranging
California, plate tectonics 12: 1580-1592
last glacial maximum
Texas, Quaternary 12: 1532-1543
latitude, paleo- *see* paleolatitude
Laurentia
Mexico, tectonics 9: 1142-1160
Newfoundland
stratigraphy 9: 1161-1170; 9: 1234-1246
tectonophysics 4: 443-453
lava
Antarctica, geochemistry 3: 360-372
California, structural geology 2: 196-221
Mexico 10: 1324-1342
pahoehoe, Arizona 11: 1467-1485
lava domes *see* shield volcanoes
lead
Pb-206/Pb-204, California 7: 870-880; 11: 1486-1502
lead-lead *see* Pb/Pb
Leg 23 *see* DSDP Site 224
Leg 150 *see* ODP Site 902; ODP Site 903; ODP Site 906
Leg 150X
Oligocene 3: 291-304
Leg 156 *see* ODP Site 947; ODP Site 948; ODP Site 949
Leg 166 *see* ODP Site 1008; ODP Site 1009
Leg 167 *see* ODP Site 1014
Leg 174A *see* ODP Site 1073
Leg 174AX
Oligocene 3: 291-304
Lenoir County North Carolina
Paleocene 5: 591-603
Lesser Antilles *see* Trinidad and Tobago
leucogranite
Brazil 4: 508-520
Pakistan, tectonophysics 5: 625-639
Leverett Formation
geochemistry 3: 360-372
Lewis County Washington
sediments 6: 673-681
lignite
Thailand, stratigraphy 2: 265-273
Liguria Italy
stratigraphy 4: 469-481
limestone *see also* calcarenite; coquina
Arizona, Proterozoic 5: 650-658
California
Proterozoic 5: 650-658
structural geology 2: 196-221
France 8: 1052-1066
Switzerland 8: 1052-1066
Tanzania, Pliocene 12: 1505-1521
Tennessee, stratigraphy 8: 1067-1078
Thailand, stratigraphy 2: 265-273
limonite
Washington, sediments 6: 673-681
Lincoln County Nevada
neotectonics 6: 743-759
stratigraphy 3: 305-319
lineaments *see also* fault zones
Italy, Cenozoic 1: 4-19
liquefaction
Washington, Quaternary 4: 482-494; 10: 1299-1311
liquid inclusions *see* fluid inclusions
lithogeochemistry
Antarctica 3: 360-372
Arizona, Proterozoic 5: 650-658
California, Proterozoic 5: 650-658
Mexico 11: 1409-1422
Nevada 9: 1213-1228
lithostratigraphy 6: 704-713
Argentina 6: 728-742
California 6: 728-742
Italy 4: 469-481
Mongolia 12: 1560-1579
Nevada 3: 305-319
neotectonics 6: 743-759
New Mexico, Quaternary 1: 88-108
North Carolina 5: 591-603
Pennsylvania 1: 109-128
Tennessee 8: 1067-1078
Texas, Quaternary 1: 88-108
Washington
Quaternary 4: 482-494; 10: 1299-1311
sediments 6: 673-681
Western Australia 9: 1121-1132
Liv Group
geochemistry 3: 360-372
Llano Estacado
Quaternary 1: 75-87; 1: 88-108
Lomonosov Ridge
stratigraphy 10: 1272-1281
Los Angeles Basin
neotectonics 4: 454-468
Los Angeles County California
neotectonics 4: 454-468
Louisiana
Quaternary
Avoyelles Parish Louisiana 11: 1456-1466
Concordia Parish Louisiana 11: 1456-1466
low-angle faults
Utah 7: 895-907
Lower Cretaceous *see* Albian
lower crust
Mexico, geochemistry 11: 1409-1422
Pakistan, structural geology 11: 1443-1455
lower Eocene *see* Sparnacian
Lower Mississippi Valley
Quaternary 11: 1456-1466
lower Neogene *see* Miocene
lower Paleozoic *see* Bay of Islands Ophiolite

lower Precambrian *see* Archean
Lower Silurian *see* Medina Formation; Tuscarora Formation
Maastrichtian *see* Maestrichtian
macaluba *see* mud volcanoes
Macroleter agilis
Vertebrata 9: 1229-1233
Maestrichtian
California 9: 1171-1178
mafic magmas
Antarctica, geochemistry 3: 360-372
California, geochemistry 11: 1486-1502
magma chambers
Brazil, magmas 4: 508-520
Nevada, geochemistry 9: 1213-1228
Washington, structural geology 11: 1423-1442
magma transport
Brazil, magmas 4: 508-520
Washington, structural geology 11: 1423-1442
magmas *see also* magma chambers; magmatic differentiation
mafic magmas
Antarctica 3: 360-372
California 11: 1486-1502
Mexico 4: 521-531; 6: 760-773; 10: 1324-1342
magmatic differentiation
Brazil, magmas 4: 508-520
Nevada, geochemistry 9: 1213-1228
magmatism
Mexico
magmas 4: 521-531
metal ores 10: 1357-1374
petrology 6: 760-773
Newfoundland, tectonophysics 4: 443-453
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
magnesium
Atlantic Ocean, geochemistry 7: 881-894
Scotland, stratigraphy 6: 790-798
magnetic declination
Thailand, stratigraphy 2: 265-273
magnetic inclination
California, paleomagnetism 9: 1171-1178
Newfoundland, stratigraphy 9: 1161-1170
Thailand, stratigraphy 2: 265-273
magnetic iron ore *see* magnetite
magnetic minerals
California, Quaternary 3: 346-359
magnetic susceptibility
California
Quaternary 3: 346-359
structural geology 8: 976-995
magnetism, paleo- *see* paleomagnetism
magnetite
California, structural geology 8: 976-995
magnetization *see* remanent magnetization
magnetostratigraphy
California, Quaternary 3: 346-359
Kazakhstan, structural geology 12: 1544-1559
Kyrgyzstan, structural geology 12: 1544-1559
Taiwan 10: 1249-1271
Thailand 2: 265-273
Maine
Sagadahoc County Maine 12: 1522-1531
Mammalia
Artiodactyla, Thailand 2: 265-273
Hominidae, Tanzania 12: 1505-1521
Mammoth Cave
stratigraphy 7: 825-836
Manada Hill Member
stratigraphy 1: 109-128
maps
geologic maps, California 7: 855-869
Maquoketa Formation
sedimentary petrology 8: 1092-1104
margin, continental *see* continental margin
marine sediments
Atlantic Ocean
geochemistry 7: 881-894
plate tectonics 4: 495-507
California, Quaternary 3: 346-359
Pakistan 8: 1039-1051
Mariposa County California
geochemistry 11: 1486-1502
marshes *see* salt marshes
Martinsburg Formation 1: 109-128
Marystown Group
stratigraphy 9: 1161-1170
Mason County Washington
Quaternary 10: 1299-1311
mass movements *see* debris flows
mass spectra *see* ICP mass spectra; ion probe data
McMurdo dry valleys
frost action 11: 1401-1408
meanders
Louisiana, Quaternary 11: 1456-1466
Medina Formation 7: 801-812
Mediterranean region
stratigraphy 1: 129-143
Melanesia *see* Fiji
melange
Italy, structural geology 5: 604-614
Switzerland, structural geology 5: 604-614
Mendocino County California
paleomagnetism 9: 1171-1178
structural geology 2: 181-195
Mescal Limestone
Proterozoic 5: 650-658
Mesozoic *see also* Cretaceous; Jurassic; Triassic
Franciscan Complex, structural geology 2: 181-195
Mexico 9: 1142-1160
Russian Federation 10: 1272-1281
meta-ophiolite *see* ophiolite
meta-turbidite *see* turbidite
metagraywacke
California, structural geology 2: 181-195
metal ores *see* polymetallic ores; uranium ores
metallic minerals *see* metal ores
metallogeny
Mexico, metal ores 10: 1357-1374
Pacific Ocean, volcanism 7: 813-824
metals *see* alkali metals; alkaline earth metals; rare earths
metamorphic core complexes 3: 333-345
Newfoundland, tectonics 8: 1025-1038
metamorphic processes *see* metamorphism
metamorphic rocks *see also* eclogite facies; granulite facies; ophiolite
Arizona, Proterozoic 5: 575-590
biotite schist, Montana 10: 1312-1323
California 8: 1105-1118
cataclasites, Utah 7: 895-907
gneisses
California 7: 920-938
Pakistan 11: 1443-1455
hornfels, Montana 10: 1312-1323
metagraywacke, California 2: 181-195
metasedimentary rocks
California 7: 920-938
Mexico 10: 1343-1356
Montana 10: 1312-1323
New Zealand 8: 1010-1024
United States 10: 1343-1356
metavolcanic rocks, Mexico 4: 521-531
mylonites
Italy 5: 604-614
Newfoundland 8: 1025-1038
Switzerland 5: 604-614
Oregon 8: 1105-1118
Quebec, structural geology 1: 144-160
schists
California 7: 920-938
Pakistan 5: 625-639; 11: 1443-1455
metamorphism
California 8: 1105-1118
structural geology 2: 181-195; 7: 920-938
contact metamorphism, Montana 10: 1312-1323
Italy, structural geology 5: 604-614
Oregon 8: 1105-1118
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
polymetamorphism
Arizona 5: 575-590
Norway 5: 640-649
regional metamorphism, Montana 10: 1312-1323
Switzerland, structural geology 5: 604-614
metasedimentary rocks *see also* metagraywacke
California 7: 920-938
Mexico 10: 1343-1356
Montana 10: 1312-1323
New Zealand, structural geology 8: 1010-1024
United States 10: 1343-1356
metasomatism
hydrothermal alteration
Arizona 5: 650-658
California 5: 650-658
Gabon 1: 32-62
Indonesia 9: 1179-1192
propylitization, Mexico 4: 521-531
metaturbidite *see* turbidite
metavolcanic rocks
Mexico 4: 521-531
methane
New Zealand, structural geology 8: 1010-1024
Mexican volcanic belt
petrology 10: 1324-1342
Mexico
geochemistry
Guerrero Terrane 11: 1409-1422
Sierra Madre Occidental 11: 1409-1422
Sonora Mexico 11: 1409-1422
ground water, Yucatan Mexico 3: 403-416
magmas, Sonora Mexico 4: 521-531
metal ores
Baja California Norte Mexico 10: 1357-1374
Durango Mexico 10: 1357-1374
Sinaloa Mexico 10: 1357-1374
Sonora Mexico 10: 1357-1374
petrology
Durango Mexico 6: 760-773
Mexican volcanic belt 10: 1324-1342
Sonora Mexico 10: 1343-1356
solution features, Veracruz Mexico 7: 837-854
structural geology 6: 693-703
tectonics 9: 1142-1160
Mg *see* magnesium
mica group
Quebec, structural geology 1: 144-160
microfossils *see* Conodonta
microseismicity *see* seismicity
Mid-Continent *see* Midcontinent
mid-ocean ridge basalts
Antarctica, geochemistry 3: 360-372
mid-ocean ridges
Russian Federation, stratigraphy 10: 1272-1281
Midcontinent
stratigraphy 8: 1067-1078

Middle America Trench
structural geology 6: 693-703
middle crust
Pakistan, structural geology 11: 1443-1455
Washington, structural geology 11: 1423-1442
Middle East *see* Israel
Middle Jurassic *see* Bajocian; Bathonian
Middle Ordovician *see* Black River Group; Trentonian
midoceanic ridges *see* mid-ocean ridges
Millard County Utah
structural geology 7: 895-907
Mineral County Colorado
sedimentary petrology 4: 536-544
mineral deposits, genesis *see* hydrothermal alteration; magmatism; metal ores; metallogeny; volcanism
Mineral Mountains
structural geology 7: 895-907
mineral soap *see* bentonite
mineral-water interface
Antarctica, frost action 11: 1401-1408
mineralogy *see* carbonates; phosphates; silicates
minette
Arizona, stratigraphy 11: 1467-1485
Miocene
California 2: 196-221; 4: 419-442
New Mexico 5: 561-574
Washington 6: 673-681
miogeosynclines
California
Miocene 4: 419-442
structural geology 7: 920-938
miospores *see* pollen
mires *see also* marshes
Washington, Quaternary 4: 482-494; 10: 1299-1311
Mississippi *see* New Madrid region; Reelfoot Rift
Mississippi Embayment
Quaternary 5: 615-624
Mississippi River
Quaternary 11: 1456-1466
Mississippi Valley *see also* Kentucky; Mississippi; Mississippi Embayment; Reelfoot Rift; Tennessee
Quaternary, Lower Mississippi Valley 11: 1456-1466
mixtite *see* diamictite
Mogollon Rim
stratigraphy 11: 1467-1485
Mohave County Arizona
Proterozoic 5: 575-590
Mojave Desert
structural geology 2: 196-221; 7: 920-938
molasse
Pakistan 3: 320-332
Mollusca
Ammonoidea, Trinidad and Tobago 2: 256-264
Bivalvia, Scotland 6: 790-798
Gastropoda, France 6: 774-789
Rudistae, California 9: 1171-1178
monazite
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
Mongolia *see* Gobi Desert
Mono County California
Quaternary 7: 855-869
monoclines
Arizona 2: 163-180
Montana
phase equilibria
Park County Montana 10: 1312-1323
Sweet Grass County Montana 10: 1312-1323
Monte Rosa
structural geology 5: 604-614
moraines
Washington, Quaternary 2: 274-288
MORB *see* mid-ocean ridge basalts
Morocco
stratigraphy, Rif 1: 129-143
Mount Everest
Quaternary 5: 590
mud 1: 20-31
mud cracks *see* mudcracks
mud volcanoes
Washington, Quaternary 4: 482-494
mudcracks 1: 20-31
mudstone
Russian Federation, stratigraphy 10: 1272-1281
mylonites
Italy, structural geology 5: 604-614
Newfoundland, tectonics 8: 1025-1038
Switzerland, structural geology 5: 604-614
Na *see* sodium
nappes
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Italy, structural geology 5: 604-614
Norway, metamorphic rocks 5: 640-649
Quebec, structural geology 1: 144-160
Switzerland, structural geology 5: 604-614
natrium *see* sodium
natural analogs
California, Quaternary 5: 659-670
natural remanent magnetization
Newfoundland, stratigraphy 9: 1161-1170
Thailand, stratigraphy 2: 265-273
naturally fractured reservoirs
Indonesia, geothermal energy 9: 1179-1192
NAVSTAR GPS *see* Global Positioning System
Nd-144/Nd-143
Antarctica, geochemistry 3: 360-372
California, geochemistry 7: 870-880; 11: 1486-1502
Mexico, geochemistry 11: 1409-1422
Nevada, geochemistry 9: 1213-1228
Nd/Sm *see* Sm/Nd
neodymium
Nd-144/Nd-143
Antarctica 3: 360-372
California 7: 870-880; 11: 1486-1502
Mexico 11: 1409-1422
Nevada 9: 1213-1228
Neogene *see also* Miocene; Pliocene
Argentina 6: 728-742
California 6: 728-742
Nevada 3: 305-319
Russian Federation 10: 1272-1281
Neogloboquadrina pachyderma
California, Quaternary 3: 346-359
Neoproterozoic *see* Rodinia
neotectonics *see also* faults; uplifts
California 4: 454-468
plate tectonics 12: 1580-1592
Quaternary 7: 855-869
Mexico 6: 693-703
metal ores 10: 1357-1374
Mississippi Valley, Quaternary 5: 615-624
Nepal, Quaternary 2: 222-240
Nevada 6: 743-759
New Zealand, Quaternary 8: 1079-1091
Nepal *see also* Mount Everest
Quaternary 2: 222-240
nesosilicates *see* garnet group; zircon
Nevada
geochemistry, Clark County Nevada 9: 1213-1228
neotectonics, Lincoln County Nevada 6: 743-759
stratigraphy, Lincoln County Nevada 3: 305-319
New England
Quaternary 6: 714-727
New Jersey
Oligocene
Atlantic County New Jersey 3: 291-304
Cape May County New Jersey 3: 291-304
Ocean County New Jersey 3: 291-304
New Madrid region
Quaternary 5: 615-624
New Mexico *see also* Blackwater Draw Formation; Llano Estacado; Pecos River
stratigraphy
Sandoval County New Mexico 5: 561-574
Santa Fe County New Mexico 5: 561-574
structural geology
Bernalillo County New Mexico 1: 63-74
Rio Arriba County New Mexico 1: 63-74
San Miguel County New Mexico 1: 63-74
Sandoval County New Mexico 1: 63-74
Santa Fe County New Mexico 1: 63-74
New Zealand *see also* South Island
structural geology, Otago New Zealand 8: 1010-1024
Newfoundland
stratigraphy
Burin Peninsula 9: 1161-1170
Humber Arm Allochthon 9: 1234-1246
tectonics 8: 1025-1038
tectonophysics 4: 443-453
Newfoundland Island *see* Burin Peninsula; Humber Arm Allochthon
normal faults 3: 333-345
California 4: 454-468
Quaternary 7: 855-869
Nepal, Quaternary 2: 222-240
Nevada 6: 743-759
Quebec 1: 144-160
Utah 7: 895-907
North Africa *see* Morocco
North America *see also* Appalachians; Basin and Range Province; Great Plains; Rocky Mountains
geochemistry 11: 1409-1422
paleomagnetism, Coast plutonic complex 9: 1171-1178
stratigraphy
Appalachian Basin 7: 801-812
Humber Zone 9: 1234-1246
Rio Grande Rift 5: 561-574
structural geology
Humber Zone 1: 144-160
Rio Grande Rift 1: 63-74
Vertebrata 9: 1229-1233
North American Plate
California, plate tectonics 12: 1580-1592
North Atlantic *see* Barbados Ridge; Great Bahama Bank; Gulf of Mexico
North Carolina
Paleocene
Craven County North Carolina 5: 591-603
Lenoir County North Carolina 5: 591-603
Pitt County North Carolina 5: 591-603
Northeast Pacific *see* Middle America Trench
Northwest Pacific *see* Izu-Bonin Arc
Norway
metamorphic rocks
Bergen Norway 5: 640-649
Jotunheim Mountains 5: 640-649
NRM *see* natural remanent magnetization
nuclear waste *see* radioactive waste

Nummulites
France, sedimentary petrology 8: 1052-1066
Switzerland, sedimentary petrology 8: 1052-1066
Nyes Road Member
stratigraphy 1: 109-128
O-18/O-16
Argentina, Neogene 6: 728-742
Arizona, Proterozoic 5: 650-658
Atlantic Ocean, geochemistry 7: 881-894
California
geochemistry 7: 870-880
Neogene 6: 728-742
Proterozoic 5: 650-658
Quaternary 3: 346-359; 5: 659-670
France, Paleocene 6: 774-789
Illinois, sedimentary petrology 8: 1092-1104
New Zealand, structural geology 8: 1010-1024
Scotland, stratigraphy 6: 790-798
Tanzania, Pliocene 12: 1505-1521
Ocean County New Jersey
Oligocene 3: 291-304
Ocean Drilling Program *see* Leg 150; Leg 150X; Leg 156; Leg 166; Leg 167; Leg 174A; Leg 174AX
ocean floors *see* paleo-oceanography
ocean ridges *see* mid-ocean ridges
ocean-floor spreading *see* sea-floor spreading
Oceania *see* Melanesia
oceanic crust
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
oceanography *see* continental margin; continental shelf; ocean floors; sedimentation; sediments
octahedral iron ore *see* magnetite
ODP Site 902
Oligocene 3: 291-304
ODP Site 903
Oligocene 3: 291-304
ODP Site 906
Oligocene 3: 291-304
ODP Site 947
plate tectonics 4: 495-507
ODP Site 948
plate tectonics 4: 495-507
ODP Site 949
plate tectonics 4: 495-507
ODP Site 1008
geochemistry 7: 881-894
ODP Site 1009
geochemistry 7: 881-894
ODP Site 1014
Quaternary 3: 346-359
ODP Site 1073
Oligocene 3: 291-304
Ohio *see* Appalachian Basin
Ohio River basin
stratigraphy 7: 825-836
Okelobondo Deposit
uranium ores 1: 32-62
Oklahoma
Vertebrata 9: 1229-1233
Oklo
uranium ores 1: 32-62
Olduvai Gorge
Pliocene 12: 1505-1521
Oligocene
California 2: 196-221
Creede Formation, sedimentary petrology 4: 536-544
Mexico 6: 760-773
New Jersey 3: 291-304
olistoliths
Pennsylvania, stratigraphy 1: 109-128
olistostromes
Pennsylvania, stratigraphy 1: 109-128
ophiolite
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Italy, structural geology 5: 604-614
Switzerland, structural geology 5: 604-614
Orange County California
paleomagnetism 9: 1171-1178
Ordovician
Black River Group 8: 1067-1078
Maquoketa Formation, sedimentary petrology 8: 1092-1104
Martinsburg Formation 1: 109-128
Newfoundland 9: 1234-1246
Quebec 1: 144-160
Trenton Group 8: 1067-1078
Utica Shale 8: 1067-1078
Oregon *see* Klamath Mountains
ores, polymetallic *see* polymetallic ores
organic compounds *see also* hydrocarbons; total organic carbon
Atlantic Ocean, geochemistry 7: 881-894
organic mound *see* bioherms
orogenesis *see* orogeny
orogenic belts
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Mongolia, stratigraphy 12: 1560-1579
Washington, structural geology 11: 1423-1442
orogeny *see also* Acadian Phase; Alleghany Orogeny; Alpine Orogeny; Appalachian Phase; Caledonian Orogeny; Grenvillian Orogeny; Himalayan Orogeny; Laramide Orogeny; Ross Orogeny; Sveconorwegian Orogeny; Taconic Orogeny; transpression
Argentina, Neogene 6: 728-742
Arizona, Proterozoic 5: 575-590
Bolivia, stratigraphy 11: 1387-1400
California, Neogene 6: 728-742
Italy
Cenozoic stratigraphy 1: 4-19
4: 469-481
Kazakhstan 12: 1544-1559
Kyrgyzstan 12: 1544-1559
Mexico, metal ores 10: 1357-1374
orthophosphates *see* phosphates
orthosilicates *see* nesosilicates
Otago New Zealand
structural geology 8: 1010-1024
Outer Mongolia *see* Mongolia
Owens Valley
Quaternary 2: 241-255
oxides *see* limonite; magnetite; titanium oxides; titanomagnetite; uraninite
oxygen
O-18/O-16
Argentina 6: 728-742
Arizona 5: 650-658
Atlantic Ocean 7: 881-894
California 3: 346-359; 5: 650-658; 5: 659-670; 6: 728-742; 7: 870-880
France 6: 774-789
Illinois 8: 1092-1104
New Zealand 8: 1010-1024
Scotland 6: 790-798
Tanzania 12: 1505-1521
Pacific Ocean *see also* Fiji
Quaternary 3: 346-359
structural geology, Middle America Trench 6: 693-703
volcanism, Izu-Bonin Arc 7: 813-824
Pacific Plate
California, plate tectonics 12: 1580-1592
pahoehoe
Arizona, stratigraphy 11: 1467-1485
Pakistan *see also* Hindu Kush; Jammu and Kashmir; Karakoram
sedimentary petrology 3: 320-332
paleo-oceanography
California, Quaternary 3: 346-359
Russian Federation 10: 1272-1281
Tennessee 8: 1067-1078
paleobiogeography *see* biogeography
paleobotany *see* palynomorphs
Paleocene
Alaska 8: 961-975
Bolivia 11: 1387-1400
British Columbia 8: 961-975
France 6: 774-789
North Carolina 5: 591-603
paleoclimatology *see also* C-13/C-12; glaciation; last glacial maximum; O-18/O-16
Florida 6: 682-692
Kentucky 7: 825-836
Nevada 3: 305-319
New Mexico, Quaternary 1: 88-108
Texas, Quaternary 1: 88-108
paleoearthquakes *see* paleoseismicity
paleoecology *see also* biogeography; deltas
Arizona 5: 650-658
California 5: 650-658
Paleogene *see also* Eocene; Oligocene; Paleocene
Pakistan 3: 320-332; 11: 1443-1455
paleogeography *see also* basins; biogeography; continental drift; geosynclines; sea-level changes
Africa 1: 129-143
Alaska, tectonics 8: 961-975
Arizona 11: 1467-1485
Bolivia 11: 1387-1400
British Columbia, tectonics 8: 961-975
Europe 1: 129-143
Italy 4: 469-481
structural geology 5: 604-614
South Africa, tectonics 7: 939-958
Switzerland, structural geology 5: 604-614
Tanzania 12: 1505-1521
Tennessee 8: 1067-1078
Utah 3: 373-387
paleokarst
Arizona 5: 650-658
California 5: 650-658
paleolatitude
California 9: 1171-1178
Italy 4: 469-481
Newfoundland 9: 1161-1170
paleolimnology
Colorado, sedimentary petrology 4: 536-544
Tanzania 12: 1505-1521
paleomagnetism *see also* anhysteretic remanent magnetization; magnetic declination; magnetic inclination; magnetic susceptibility; magnetostratigraphy; natural remanent magnetization; paleolatitude; remanent magnetization
Newfoundland, tectonophysics 4: 443-453
paleontology *see* Amphibia; Conodonta; Foraminifera; Graptolithina; Radiolaria; Reptilia
paleosalinity
Tanzania 12: 1505-1521
paleoseismicity
Alaska, Quaternary 9: 1193-1204
California, Quaternary 7: 855-869

New Zealand
Quaternary 8: 1079-1091
structural geology 8: 1010-1024
Washington, Quaternary 4: 482-494; 10: 1299-1311
Paleosols
Argentina, Neogene 6: 728-742
Bolivia, stratigraphy 11: 1387-1400
California, Neogene 6: 728-742
Louisiana, Quaternary 11: 1456-1466
Washington, Quaternary 10: 1299-1311
Paleozoic *see also* Cambrian; Carboniferous; Devonian; Ordovician; Permian; Silurian
Acadian Phase, Vermont 10: 1282-1298
Bay of Islands Ophiolite, tectonics 8: 1025-1038
Caledonian Orogeny, Newfoundland 4: 443-453
California 7: 920-938
Russian Federation 10: 1272-1281
Taconic Orogeny
Ohio 7: 801-812
Pennsylvania 1: 109-128; 7: 801-812
Quebec 1: 144-160
palynomorphs
pollen
Bolivia 11: 1387-1400
Florida 6: 682-692
Rhode Island 6: 714-727
Russian Federation 10: 1272-1281
Pampean Mountains
Neogene 6: 728-742
Panaca Basin
stratigraphy 3: 305-319
Pangaea
Mexico, tectonics 9: 1142-1160
Paraiba Brazil
magmas 4: 508-520
Paris Basin
Paleocene 6: 774-789
Park County Montana
phase equilibria 10: 1312-1323
Pb-206/Pb-204
California, geochemistry 7: 870-880; 11: 1486-1502
Pb/Pb
Russian Federation, stratigraphy 10: 1272-1281
Peace River Formation
stratigraphy 6: 682-692
peat
Washington, Quaternary 10: 1299-1311
Pecos River
Quaternary 1: 75-87; 1: 88-108
pedogenesis
California, Quaternary 2: 241-255
Louisiana, Quaternary 11: 1456-1466
pegmatite
Pakistan, tectonophysics 5: 625-639
pelecypods *see* Bivalvia
Peninsular Ranges
paleomagnetism 9: 1171-1178
Pennine Alps
structural geology 5: 604-614
Pennsylvania *see also* Appalachian Basin; Medina Formation; Tuscarora Formation
stratigraphy, Dauphin County Pennsylvania 1: 109-128
Permian
Appalachian Phase, Newfoundland 4: 443-453
Oklahoma 9: 1229-1233
Russian Federation 9: 1229-1233
Pernambuco Brazil
magmas 4: 508-520
Peru
Quaternary, Arequipa Peru 12: 1593-1610
petrified moss *see* tufa
petrology *see* fluid inclusions; igneous rocks; inclusions; intrusions; lava; magmas; metamorphic rocks; metamorphism; phase equilibria; volcanism
petromorphology *see* structural analysis
petrostratigraphy *see* lithostratigraphy
Phanerozoic
Mexico 9: 1142-1160
phase equilibria
Montana 10: 1312-1323
phosphates *see also* apatite; monazite
Gabon, uranium ores 1: 32-62
physical weathering
Antarctica 11: 1401-1408
Nevada, stratigraphy 3: 305-319
phytogeography *see* biogeography
Piemonte Italy
structural geology 5: 604-614
Pierce County Washington
Quaternary 10: 1299-1311
piercing fold *see* diapirs
Pitt County North Carolina
Paleocene 5: 591-603
planar bedding structures *see* bedding; laminations; rhythmic bedding
planetary interiors 3: 333-345
Plantae *see* algae; Spermatophyta
plate boundaries *see also* plate convergence
Atlantic Ocean, plate tectonics 4: 495-507
Indonesia, geothermal energy 9: 1179-1192
plate collision
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Italy, Cenozoic 1: 4-19
Norway, metamorphic rocks 5: 640-649
Ohio, stratigraphy 7: 801-812
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
Pennsylvania, stratigraphy 7: 801-812
Taiwan, stratigraphy 10: 1249-1271
plate convergence
Alaska, structural geology 7: 908-919
California, plate tectonics 12: 1580-1592
plate margins *see* plate boundaries
plate rotation
California, plate tectonics 12: 1580-1592
plate tectonics *see* accretionary wedges; active margins; continental crust; continental drift; continental margin; earthquakes; fault zones; melange; North American Plate; Pacific Plate; plate boundaries; plate collision; plate convergence; sea-floor spreading; subduction; suture zones; terranes; transform faults; transpression
plateaus
Arizona, stratigraphy 11: 1467-1485
Bolivia, stratigraphy 11: 1387-1400
Kentucky, stratigraphy 7: 825-836
Pleistocene *see also* Sierra Ladrones Formation
Arizona 11: 1467-1485
Bishop Tuff, Quaternary 7: 855-869
California 5: 659-670
Italy 5: 545-560
Kentucky 7: 825-836
Louisiana 11: 1456-1466
Nepal 2: 222-240
Taiwan 10: 1249-1271
Texas 12: 1532-1543
Wisconsinan, Washington 2: 274-288
pleniglacial, last *see* last glacial maximum
Pliocene *see also* Sierra Ladrones Formation
Florida 6: 682-692
Kentucky 7: 825-836
Mexico 10: 1324-1342
Nevada 6: 743-759
Taiwan 10: 1249-1271
Tanzania 12: 1505-1521
pliomagmatic zone *see* eugeosynclines
plutonic rocks *see also* diorites; gabbros; granites; lamprophyres
California, structural geology 8: 976-995
Newfoundland
tectonics 8: 1025-1038
tectonophysics 4: 443-453
plutons
Alaska, tectonics 8: 961-975
Brazil 4: 508-520
British Columbia, tectonics 8: 961-975
California, structural geology 8: 976-995
Mexico 4: 521-531
geochemistry 11: 1409-1422
Nevada, geochemistry 9: 1213-1228
Newfoundland, tectonophysics 4: 443-453
Pakistan, tectonophysics 5: 625-639
Washington, structural geology 11: 1423-1442
Polk County Florida
stratigraphy 6: 682-692
pollen
Bolivia, stratigraphy 11: 1387-1400
Florida, stratigraphy 6: 682-692
Rhode Island, Quaternary 6: 714-727
polygonal fractures
sedimentary petrology 1: 20-31
polymetallic ores
Pacific Ocean, volcanism 7: 813-824
polymetamorphism
Arizona, Proterozoic 5: 575-590
Norway 5: 640-649
polytypism
Illinois, sedimentary petrology 8: 1092-1104
Postglacial *see* Holocene
postseismic processes
Alaska, Quaternary 9: 1193-1204
potassium-argon *see* K/Ar
Potoco Formation
stratigraphy 11: 1387-1400
Precambrian *see also* Archean; upper Precambrian
Chuar Group, structural geology 2: 163-180
Grenvillian Orogeny, Norway 5: 640-649
Mexico 11: 1409-1422
Stillwater Complex, phase equilibria 10: 1312-1323
Sveconorwegian Orogeny, Norway 5: 640-649
Unkar Group, structural geology 2: 163-180
preferential flow
Idaho, hydrogeology 9: 1133-1141
Primates *see* Hominidae
progradation
Ohio, stratigraphy 7: 801-812
Pennsylvania, stratigraphy 7: 801-812
propylitization
Mexico 4: 521-531
Proterozoic *see also* Sveconorwegian Orogeny
Arizona 5: 575-590; 5: 650-658
California 5: 650-658
Newfoundland 9: 1161-1170; 9: 1234-1246
Rodinia
Arizona 2: 163-180
Mexico 10: 1343-1356
Newfoundland 4: 443-453
United States 10: 1343-1356
Western Australia 9: 1121-1132
Protista *see also* Radiolaria
Foraminifera
New Jersey 3: 291-304
Russian Federation 10: 1272-1281

Neogloboquadrina pachyderma, California 3: 346-359
Nummulites
France 8: 1052-1066
Switzerland 8: 1052-1066
Proto-Atlantic Ocean *see* Iapetus
psammite *see* sandstone
pseudomorphism
Colorado, sedimentary petrology 4: 536-544
Pterocarya
Florida, stratigraphy 6: 682-692
Puget Lowland
Quaternary 4: 482-494; 10: 1299-1311
Puget Sound
Quaternary 10: 1299-1311
Puglia Italy *see* Apulia Italy
pumice
Pacific Ocean 7: 813-824
Peru, Quaternary 12: 1593-1610
pyroclastic flows *see* ash flows
pyroclastics *see also* scoria; tuff
New Mexico, stratigraphy 5: 561-574
Qomolangma Feng *see* Mount Everest
quantitative geomorphology
Mississippi Valley, Quaternary 5: 615-624
quartz monzonite
Nevada, geochemistry 9: 1213-1228
Quaternary *see also* Holocene; Pleistocene
Blackwater Draw Formation, Quaternary 1: 75-87; 1: 88-108
California 2: 241-255; 3: 346-359
Florida 6: 682-692
Mexico 6: 693-703; 10: 1324-1342
Mississippi Valley 5: 615-624
Nepal 5: 590
Nevada 3: 305-319; 6: 743-759
New Zealand 8: 1079-1091
Peru 12: 1593-1610
Quebec
structural geology 1: 144-160
Queen Maud Range
geochemistry 3: 360-372
radioactive decay *see* absolute age
radioactive isotopes *see* Al-26; Be-10; C-14; Pb-206/Pb-204; U-238/U-234
radioactive waste
California, Quaternary 5: 659-670
radiocarbon dating *see* C-14
Radiolaria
Africa, stratigraphy 1: 129-143
Atlantic Ocean, plate tectonics 4: 495-507
Europe, stratigraphy 1: 129-143
Trinidad and Tobago, stratigraphy 2: 256-264
radiolarite
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Italy, stratigraphy 4: 469-481
rafting, ice *see* ice rafting
range, basin *see* basin range structure
rare earths
Utah, stratigraphy 3: 373-387
rate of sedimentation *see* sedimentation rates
Recent *see* Holocene
recharge *see* infiltration
recumbent folds
Arizona, Proterozoic 5: 575-590
red beds
Pennsylvania, stratigraphy 1: 109-128
Utah, stratigraphy 3: 373-387
reefs
atolls
Fiji 7: 837-854
Mexico 7: 837-854
Reelfoot Rift
Quaternary 5: 615-624
regional metamorphism
Montana 10: 1312-1323
relief
Kazakhstan, structural geology 12: 1544-1559
Kyrgyzstan, structural geology 12: 1544-1559
remanent magnetization *see also* anhysteretic remanent magnetization; characteristic remanent magnetization; isothermal remanent magnetization; natural remanent magnetization
Italy, stratigraphy 4: 469-481
remote sensing *see also* Global Positioning System; laser ranging; SAR; Shuttle Imaging Radar; very long baseline interferometry
Nepal, Quaternary 2: 222-240
Rhode Island, Quaternary 6: 714-727
Reptilia
Oklahoma 9: 1229-1233
Russian Federation 9: 1229-1233
reverse faults
California 4: 454-468
reverse slip faults *see* thrust faults
Rhode Island
Quaternary, Washington County Rhode Island 6: 714-727
rhyacolite *see* sanidine
rhythmic bedding
Colorado 4: 536-544
Rif
stratigraphy 1: 129-143
rift zones
Nepal, Quaternary 2: 222-240
New Mexico, stratigraphy 5: 561-574
ring silicates *see* cordierite
ring structures 3: 333-345
rings, tree *see* tree rings
Rio Arriba County New Mexico
structural geology 1: 63-74
Rio Grande
stratigraphy 5: 561-574
Rio Grande Rift
stratigraphy 5: 561-574
structural geology 1: 63-74
Rio Grande River *see* Rio Grande
risk, seismic *see* seismic risk
rivers
Kentucky, stratigraphy 7: 825-836
New Mexico, stratigraphy 5: 561-574
Riverside County California
paleomagnetism 9: 1171-1178
structural geology 2: 196-221
rock mechanics
Far East, fluvial features 9: 1205-1212
Middle East, fluvial features 9: 1205-1212
rock-stratigraphy *see* lithostratigraphy
rock-water interface *see* water-rock interaction
Rocky Mountains
phase equilibria, Beartooth Mountains 10: 1312-1323
structural geology 1: 63-74
Rodinia
Arizona, structural geology 2: 163-180
Mexico, petrology 10: 1343-1356
Newfoundland, tectonophysics 4: 443-453
United States, petrology 10: 1343-1356
Ross Desert *see* McMurdo dry valleys
Ross Orogeny
Antarctica, geochemistry 3: 360-372
Rotaliacea *see* Nummulitidae
Rotaliina *see* Globigerinacea; Rotaliacea
rubblerock *see* breccia
Rudistae
California, paleomagnetism 9: 1171-1178
Russian Federation
stratigraphy
Franz Josef Land 10: 1272-1281
Taymyr Peninsula 10: 1272-1281
Vertebrata 9: 1229-1233
Russian Platform *see* Franz Josef Land
S-34/S-32
Colorado, sedimentary petrology 4: 536-544
Sagadahoc County Maine 12: 1522-1531
Salinian Block
geochemistry 7: 870-880
paleomagnetism 9: 1171-1178
salt marshes
Rhode Island, Quaternary 6: 714-727
San Andreas Fault
plate tectonics 12: 1580-1592
San Bernardino County California
structural geology 7: 920-938
San Diego County California
paleomagnetism 9: 1171-1178
San Francisco Bay region
plate tectonics 12: 1580-1592
San Miguel County New Mexico
structural geology 1: 63-74
sand 11: 1377-1386
New Mexico, Quaternary 1: 75-87; 1: 88-108
Texas, Quaternary 1: 75-87; 1: 88-108
sand sheets
New Mexico, Quaternary 1: 88-108
Texas, Quaternary 1: 88-108
sand volcanoes *see* mud volcanoes
Sandoval County New Mexico
stratigraphy 5: 561-574
structural geology 1: 63-74
sandstone
Bolivia, stratigraphy 11: 1387-1400
Gabon, uranium ores 1: 32-62
Italy, Cenozoic 1: 4-19
Ohio, stratigraphy 7: 801-812
Pennsylvania, stratigraphy 7: 801-812
Taiwan, stratigraphy 10: 1249-1271
sanidine
New Mexico, stratigraphy 5: 561-574
Santa Barbara County California
paleomagnetism 9: 1171-1178
Santa Fe County New Mexico
stratigraphy 5: 561-574
structural geology 1: 63-74
Santa Lucia Formation
stratigraphy 11: 1387-1400
Santa Maria Basin
Neogene 6: 728-742
Santa Monica Mountains
neotectonics 4: 454-468
Santo Domingo Basin
stratigraphy 5: 561-574
SAR 3: 333-345
Scandinavia *see* Norway
schists *see also* biotite schist
California, structural geology 7: 920-938
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
schlieren
Brazil, magmas 4: 508-520
Sciadopitys
stratigraphy 6: 682-692
scoria
Peru, Quaternary 12: 1593-1610
Scotland
stratigraphy, Sutherland Scotland 6: 790-798
sea fan *see* submarine fans

sea floors *see* ocean floors
sea-floor spreading
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
sea-level changes *see also* eustasy
Alaska, Quaternary 9: 1193-1204
France, sedimentary petrology 8: 1052-1066
Italy, Quaternary 5: 545-560
Louisiana, Quaternary 11: 1456-1466
Ohio, stratigraphy 7: 801-812
Pennsylvania, stratigraphy 7: 801-812
Rhode Island, Quaternary 6: 714-727
Switzerland, sedimentary petrology 8: 1052-1066
Taiwan, stratigraphy 10: 1249-1271
Washington, Quaternary 10: 1299-1311
sediment load *see* bedload
sediment supply
New Mexico, Quaternary 1: 75-87
Texas, Quaternary 1: 75-87
sediment transport *see also* stream transport
California, Miocene 4: 419-442
Maine 12: 1522-1531
New Mexico, Quaternary 1: 75-87; 1: 88-108
Texas, Quaternary 1: 75-87; 1: 88-108
sedimentary fault *see* growth faults
sedimentary petrology *see* diagenesis; sedimentation; sediments
sedimentary rocks *see also* clay mineralogy; coal; diagenesis; lithostratigraphy; volcaniclastics
arenite, Italy 1: 4-19
bentonite, Utah 3: 373-387
calcarenite, Italy 5: 545-560
chert, Italy 4: 469-481
clastic rocks, Thailand 2: 265-273
claystone, Tanzania 12: 1505-1521
conglomerate
Arizona 11: 1467-1485
California 4: 419-442; 7: 870-880
Western Australia 9: 1121-1132
coquina, Taiwan 10: 1249-1271
diamictite, Western Australia 9: 1121-1132
dolostone
Arizona 5: 650-658
California 5: 650-658
Tanzania 12: 1505-1521
evaporites, California 2: 196-221
flysch, Pakistan 3: 320-332
limestone
Arizona 5: 650-658
California 2: 196-221; 5: 650-658
France 8: 1052-1066
Switzerland 8: 1052-1066
Tanzania 12: 1505-1521
Tennessee 8: 1067-1078
Thailand 2: 265-273
molasse, Pakistan 3: 320-332
mudstone, Russian Federation 10: 1272-1281
Newfoundland, stratigraphy 9: 1234-1246
radiolarite
Africa 1: 129-143
Europe 1: 129-143
Italy 4: 469-481
red beds
Pennsylvania 1: 109-128
Utah 3: 373-387
sandstone
Bolivia 11: 1387-1400
Gabon 1: 32-62
Italy 1: 4-19
Ohio 7: 801-812
Pennsylvania 7: 801-812
Taiwan 10: 1249-1271
siltstone, Russian Federation 10: 1272-1281
tufa, California 5: 659-670
sedimentary structures
bedding, Alaska 9: 1193-1204
bioherms
Fiji 7: 837-854
Mexico 7: 837-854
bioturbation, Taiwan 10: 1249-1271
clastic dikes, Washington 4: 482-494
laminations
Italy 5: 545-560
Washington 4: 482-494
mudcracks 1: 20-31
olistoliths, Pennsylvania 1: 109-128
olistostromes, Pennsylvania 1: 109-128
rhythmic bedding, Colorado 4: 536-544
soft sediment deformation, Italy 5: 545-560
stromatolites, Western Australia 9: 1121-1132
sedimentation *see also* sediment transport
continental margin sedimentation 11: 1377-1386
California 3: 346-359
estuarine sedimentation
Alaska 9: 1193-1204
Maine 12: 1522-1531
fluvial sedimentation, Maine 12: 1522-1531
glaciofluvial sedimentation, Antarctica 11: 1401-1408
intertidal sedimentation
Alaska 9: 1193-1204
Maine 12: 1522-1531
sedimentation rates
Alaska, Quaternary 9: 1193-1204
Bolivia, stratigraphy 11: 1387-1400
California, Quaternary 3: 346-359
Taiwan, stratigraphy 10: 1249-1271
Thailand, stratigraphy 2: 265-273
sediments *see also* diagenesis; liquefaction; lithostratigraphy; peat
clastic sediments
Alaska 9: 1193-1204
Kentucky 7: 825-836
Nepal 2: 222-240
Washington 2: 274-288
clay 11: 1377-1386
Atlantic Ocean 4: 495-507
colluvium, Nevada 3: 305-319
gravel, Arizona 11: 1467-1485
marine sediments
Atlantic Ocean 4: 495-507; 7: 881-894
California 3: 346-359
Pakistan 8: 1039-1051
mud 1: 20-31
Rhode Island, Quaternary 6: 714-727
sand 11: 1377-1386
New Mexico 1: 75-87; 1: 88-108
Texas 1: 75-87; 1: 88-108
seismic profiles
Mongolia, stratigraphy 12: 1560-1579
Pakistan 8: 1039-1051
Russian Federation, stratigraphy 10: 1272-1281
seismic risk
California, neotectonics 4: 454-468
Mexico, structural geology 6: 693-703
seismic surge *see* tsunamis
seismicity *see also* paleoseismicity
Mexico 6: 693-703
North Carolina, Paleocene 5: 591-603
seismology *see* crust; earthquakes
seismotectonics
California 4: 454-468
Senonian *see* Campanian; Maestrichtian
sensing, remote *see* remote sensing
sensitive high mass-resolution ion microprobe data *see* SHRIMP data
sequence stratigraphy
Mongolia 12: 1560-1579
New Jersey, Oligocene 3: 291-304
North Carolina, Paleocene 5: 591-603
Ohio 7: 801-812
Pennsylvania 7: 801-812
Taiwan 10: 1249-1271
Sevier Desert
structural geology 7: 895-907
Seymouria agilis
Vertebrata 9: 1229-1233
shear zones
Alaska, tectonics 8: 961-975
British Columbia, tectonics 8: 961-975
California
Quaternary 7: 855-869
structural geology 7: 920-938
Mexico, tectonics 9: 1142-1160
sheet silicates *see* clay minerals; mica group
shelf, continental *see* continental shelf
Shellsville Member
stratigraphy 1: 109-128
shield volcanoes
Mexico, petrology 10: 1324-1342
shore features *see* barrier beaches; lagoons; tidal flats; tidal inlets
shoreline features *see* shore features
shortening, crustal *see* crustal shortening
shoshonite
Mexico 10: 1324-1342
SHRIMP data
Newfoundland, stratigraphy 9: 1234-1246
shrinkage cracks *see* mudcracks
Shuttle Imaging Radar
Mexico, ground water 3: 403-416
Siam *see* Thailand
siderite
Washington, sediments 6: 673-681
Sierra County California
petrology 8: 1105-1118
Sierra Ladrones Formation 5: 561-574
Sierra Madre Occidental
geochemistry 11: 1409-1422
Sierra Nevada
petrology 8: 1105-1118
plate tectonics 12: 1580-1592
Sierra Nevada Batholith
geochemistry 11: 1486-1502
Sierras Pampeanas *see* Pampean Mountains
Silangkitang geothermal field
geothermal energy 9: 1179-1192
silicates *see also* chain silicates; framework silicates; orthosilicates; ring silicates; sheet silicates
Antarctica, frost action 11: 1401-1408
siliciclastics
California, structural geology 2: 196-221
Pakistan, sedimentary petrology 3: 320-332
siltstone
Russian Federation, stratigraphy 10: 1272-1281
Silurian *see also* Taconic Orogeny
Medina Formation 7: 801-812
Tuscarora Formation 7: 801-812
Sinaloa Mexico
metal ores 10: 1357-1374
sinkholes
Florida, stratigraphy 6: 682-692
Mexico, ground water 3: 403-416
Skinner Cove Formation
tectonophysics 4: 443-453
slickenlines
New Mexico, structural geology 1: 63-74
slurries 11: 1377-1386

Sm/Nd
Antarctica, geochemistry 3: 360-372
smectite
Atlantic Ocean, plate tectonics 4: 495-507
Snake River plain
hydrogeology 9: 1133-1141
Snake River Plain Aquifer
hydrogeology 9: 1133-1141
Snohomish County Washington
Quaternary 4: 482-494
structural geology 11: 1423-1442
soap clay *see* bentonite
sodium
Atlantic Ocean, geochemistry 7: 881-894
soft sediment deformation *see also* clastic dikes; olistoliths; olistostromes
Italy, Quaternary 5: 545-560
soil mechanics *see* clay; geologic hazards; liquefaction
soils *see also* pedogenesis
Alluvial soils, Louisiana 11: 1456-1466
sole faults *see* detachment faults
solution features *see also* caves; karst; sinkholes; stalagmites
Fiji 7: 837-854
Mexico 7: 837-854
Sonoma County California
geochemistry 7: 870-880
Sonora Mexico
geochemistry 11: 1409-1422
magmas 4: 521-531
metal ores 10: 1357-1374
petrology 10: 1343-1356
South Africa
tectonics, Cape fold belt 7: 939-958
South America *see* Andes; Argentina; Bolivia; Brazil; Peru
South Island
Quaternary 8: 1079-1091
structural geology 8: 1010-1024
Southern Africa *see* South Africa
Southern Alaska *see* Yakutat Bay
Southern Europe *see* Iberian Peninsula; Italy
Spain
stratigraphy, Betic Cordillera 1: 129-143
Sparnacian
France 6: 774-789
spectra *see* mass spectra
speleothems *see* stalagmites
Spermatophyta
Ginkgo, Florida 6: 682-692
Pterocarya, Florida 6: 682-692
spontaneous fission-track dating *see* fission-track dating
spreading-floor hypothesis *see* sea-floor spreading
springs
California, Quaternary 5: 659-670
Sr *see* strontium
Sr-87/Sr-86
Antarctica, geochemistry 3: 360-372
California, geochemistry 7: 870-880; 11: 1486-1502
France, Paleocene 6: 774-789
Mexico, geochemistry 11: 1409-1422
Nevada, geochemistry 9: 1213-1228
stable isotopes *see* C-13/C-12; Nd-144/Nd-143; O-18/O-16; Pb-206/Pb-204; S-34/S-32
Staked Plain *see* Llano Estacado
stalagmites
Texas, Quaternary 12: 1532-1543
Stillwater Complex
phase equilibria 10: 1312-1323
stratigraphy *see* Archean; Cambrian; Carboniferous; Cenozoic; coprolites; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Oligocene; Ordovician; Paleocene; Paleogene; paleomagnetism; Paleozoic; palynomorphs; Permian; Phanerozoic; Pleistocene; Pliocene; Precambrian; Proterozoic; Quaternary; Silurian; Tertiary; Triassic
stratovolcanoes
Peru, Quaternary 12: 1593-1610
stream gradient
Far East, fluvial features 9: 1205-1212
Middle East, fluvial features 9: 1205-1212
stream sediments
Louisiana, Quaternary 11: 1456-1466
stream transport
Pakistan, sedimentary petrology 3: 320-332
strike-slip faults *see also* transfer faults; transform faults
Alaska 7: 908-919
California
Miocene 4: 419-442
plate tectonics 12: 1580-1592
Indonesia, geothermal energy 9: 1179-1192
Mongolia, stratigraphy 12: 1560-1579
New Mexico 1: 63-74
New Zealand, Quaternary 8: 1079-1091
stromatolites
Western Australia, Proterozoic 9: 1121-1132
strontium
Atlantic Ocean, geochemistry 7: 881-894
Scotland, stratigraphy 6: 790-798
Sr-87/Sr-86
Antarctica 3: 360-372
California 7: 870-880; 11: 1486-1502
France 6: 774-789
Mexico 11: 1409-1422
Nevada 9: 1213-1228
structural analysis *see also* axial-plane structures; cleavage; deformation; faults; folds; foliation; melange; slickenlines
Arizona 4: 532-535
structural basins *see* basins
structural geology *see* deformation; faults; folds; foliation; fractures; geosynclines; neotectonics; orogeny; tectonics
subduction
Italy
Cenozoic 1: 4-19
structural geology 5: 604-614
Norway, metamorphic rocks 5: 640-649
Pakistan, tectonophysics 5: 625-639
South Africa, tectonics 7: 939-958
Switzerland, structural geology 5: 604-614
subduction zones
Mexico, structural geology 6: 693-703
Trinidad and Tobago, stratigraphy 2: 256-264
submarine fans
Pakistan 8: 1039-1051
submarine volcanoes
Pacific Ocean, volcanism 7: 813-824
sulfur
S-34/S-32, Colorado 4: 536-544
Sumatra
geothermal energy 9: 1179-1192
Sumatra fault system *see* Great Sumatran Fault
supercontinents
South Africa, tectonics 7: 939-958
superimposed metamorphism *see* polymetamorphism
surficial geology
Louisiana, Quaternary 11: 1456-1466
surveys *see* geophysical surveys
suspect terranes *see* terranes
suspension current *see* turbidity currents
Sutherland Scotland
stratigraphy 6: 790-798
suture zones
Arizona, Proterozoic 5: 575-590
Italy, Cenozoic 1: 4-19
Mexico, tectonics 9: 1142-1160
Pakistan 8: 1039-1051
Sveconorwegian Orogeny
Norway, metamorphic rocks 5: 640-649
Sweet Grass County Montana
phase equilibria 10: 1312-1323
Swiss Alps
sedimentary petrology 8: 1052-1066
structural geology 5: 604-614
Switzerland
sedimentary petrology, Swiss Alps 8: 1052-1066
structural geology
Swiss Alps 5: 604-614
Valais Switzerland 5: 604-614
synform folds
Vermont 10: 1282-1298
synthetic aperture radar *see* SAR
Taconic Orogeny
Ohio 7: 801-812
Pennsylvania 1: 109-128; 7: 801-812
Quebec, structural geology 1: 144-160
Taft Granite
geochemistry 11: 1486-1502
Taimyr Peninsula *see* Taymyr Peninsula
Taiwan
stratigraphy 10: 1249-1271
talus fan *see* alluvial fans
Tanner Basin
Quaternary 3: 346-359
Tanzania
Pliocene, Olduvai Gorge 12: 1505-1521
Tarahumara Formation
magmas 4: 521-531
Taylor Group
geochemistry 3: 360-372
Taylor Valley
frost action 11: 1401-1408
Taymyr Peninsula
stratigraphy 10: 1272-1281
tear faults
Nepal, Quaternary 2: 222-240
tectogenesis *see* orogeny
tectonic lines *see* lineaments
tectonic sutures *see* suture zones
tectonic wedges
Italy, Cenozoic 1: 4-19
tectonics *see also* Acadian Phase; accretionary wedges; Alleghany Orogeny; Alpine Orogeny; Appalachian Phase; basins; continental drift; continental margin; crust; crustal shortening; deformation; eugeosynclines; faults; fold and thrust belts; folds; foliation; foreland basins; fractures; geosynclines; Himalayan Orogeny; klippen; Laramide Orogeny; lineaments; metamorphic core complexes; miogeosynclines; nappes; neotectonics; orogenic belts; orogeny; plate tectonics; Ross Orogeny; shear zones; structural analysis; suture zones; terranes; transpression
extension tectonics 3: 333-345
Arizona 4: 532-535
California 4: 454-468
Quebec 1: 144-160
inversion tectonics
Arizona 2: 163-180
California 4: 454-468
Mexico, petrology 6: 760-773
North Carolina, Paleocene 5: 591-603

seismotectonics, California 4: 454-468
tectonophysics *see* continental drift; crust; paleomagnetism; plate tectonics; sea-floor spreading
tectonostratigraphic terranes *see* terranes
temperature methods *see* heat flow
Temple Cap Formation
stratigraphy 3: 373-387
Tennessee *see also* Mississippi Embayment; New Madrid region; Reelfoot Rift
stratigraphy, Wilson County Tennessee 8: 1067-1078
tephra *see* pyroclastics
tephrochronology
California, Quaternary 7: 855-869
New Mexico, stratigraphy 5: 561-574
Utah, stratigraphy 3: 373-387
terraces
Mississippi Valley, Quaternary 5: 615-624
Nepal, Quaternary 2: 222-240
New Mexico, stratigraphy 5: 561-574
terranes *see also* accretionary wedges
Arizona, Proterozoic 5: 575-590
California, paleomagnetism 9: 1171-1178
Mexico
geochemistry 11: 1409-1422
tectonics 9: 1142-1160
Newfoundland
stratigraphy 9: 1161-1170
tectonophysics 4: 443-453
Norway, metamorphic rocks 5: 640-649
Tertiary *see also* Laramide Orogeny; Neogene; Paleogene
Arizona 11: 1467-1485
Bolivia 5: 560
Mexico 4: 521-531
Tethys
Africa, stratigraphy 1: 129-143
Europe, stratigraphy 1: 129-143
Italy, structural geology 5: 604-614
Switzerland, structural geology 5: 604-614
Tetrabranchiata *see* Ammonoidea
Tetrapoda *see* Amphibia; Mammalia; Reptilia
Texas *see also* Blackwater Draw Formation; Llano Estacado; Pecos River
Quaternary
Comal County Texas 12: 1532-1543
Edwards Aquifer 12: 1532-1543
Edwards Plateau 12: 1532-1543
Kendall County Texas 12: 1532-1543
Williamson County Texas 12: 1532-1543
Th/U
Texas, Quaternary 12: 1532-1543
Thailand
stratigraphy 2: 265-273
The Himalaya *see* Himalayas
Theria *see* Eutheria
thermal surveys *see* heat flow
thorium-uranium *see* Th/U
thrust faults *see also* crustal shortening; reverse faults 3: 333-345
Alaska 8: 961-975
British Columbia 8: 961-975
Mississippi Valley, Quaternary 5: 615-624
Pakistan 11: 1443-1455
Quebec 1: 144-160
Thurston County Washington
Quaternary 10: 1299-1311
Tian-Shan *see* Tien Shan
tidal flats
Alaska, Quaternary 9: 1193-1204
tidal inlets
Washington, Quaternary 10: 1299-1311
tidal surges
Rhode Island, Quaternary 6: 714-727
tidal wave *see* tsunamis
Tien Shan
structural geology 12: 1544-1559
titanium oxides
Mexico, petrology 10: 1324-1342
titanomagnetite
Thailand, stratigraphy 2: 265-273
Tobago
stratigraphy 2: 256-264
Tobago Volcanic Group
stratigraphy 2: 256-264
tonalite
Washington, structural geology 11: 1423-1442
tophus *see* tufa
Torlesse Supergroup
structural geology 8: 1010-1024
torsion faults *see* wrench faults
total organic carbon
Russian Federation, stratigraphy 10: 1272-1281
Transantarctic Mountains
geochemistry 3: 360-372
tectonics 7: 939-958
transcurrent faults
Italy, stratigraphy 4: 469-481
transfer faults
California, Quaternary 7: 855-869
transform faults
Mexico 9: 1142-1160
Newfoundland 8: 1025-1038
transpression
Alaska, structural geology 7: 908-919
California, structural geology 2: 196-221
South Africa, tectonics 7: 939-958
transverse faults
Nevada 6: 743-759
Transverse Ranges
structural geology 2: 196-221
tree rings
Alaska, Quaternary 3: 388-402
Trenton Group 8: 1067-1078
Triassic
New Zealand 8: 1010-1024
Trinidad and Tobago
stratigraphy, Tobago 2: 256-264
trondhjemite
California, geochemistry 7: 870-880
tsunamis
Washington, Quaternary 4: 482-494
tufa
California, Quaternary 5: 659-670
tuff *see also* volcanic ash
Indonesia, geothermal energy 9: 1179-1192
tuft *see* tufa
Tuolumne County California
geochemistry 11: 1486-1502
turbidite
Pennsylvania, stratigraphy 1: 109-128
turbidity currents 11: 1377-1386
Tuscany Italy
stratigraphy 4: 469-481
Tuscarora Formation 7: 801-812
U-238/U-234
Idaho, hydrogeology 9: 1133-1141
U. S. Rocky Mountains *see* Absaroka Range
U/Pb
Arizona
Proterozoic 5: 575-590
structural geology 2: 163-180
California
geochemistry 11: 1486-1502
structural geology 7: 920-938
Mexico
magmas 4: 521-531
petrology 10: 1343-1356
Newfoundland
stratigraphy 9: 1234-1246
tectonophysics 4: 443-453
Norway, metamorphic rocks 5: 640-649
Pakistan
structural geology 11: 1443-1455
tectonophysics 5: 625-639
United States, petrology 10: 1343-1356
U/Th *see* Th/U
U/Th/Pb
Russian Federation, stratigraphy 10: 1272-1281
unconformities *see* angular unconformities
underground installations
California, Quaternary 5: 659-670
underground water *see* ground water
United Kingdom *see* Great Britain
United States *see also* Alaska; Arizona; Atlantic Coastal Plain; California; Colorado; Colorado Plateau; Florida; Great Basin; Idaho; Illinois; Kentucky; Louisiana; Maine; Mississippi; Mississippi Valley; Montana; Nevada; New England; New Jersey; New Mexico; North Carolina; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; Tennessee; Texas; Utah; Vermont; Washington; Wisconsin
fluvial features 9: 1205-1212
petrology, Klamath Mountains 8: 1105-1118
phase equilibria, Beartooth Mountains 10: 1312-1323
Quaternary
Llano Estacado 1: 75-87; 1: 88-108
Mississippi Embayment 5: 615-624
Mississippi River 11: 1456-1466
New Madrid region 5: 615-624
Pecos River 1: 75-87; 1: 88-108
Reelfoot Rift 5: 615-624
sedimentary petrology, Illinois Basin 8: 1092-1104
stratigraphy
Midcontinent 8: 1067-1078
Ohio River basin 7: 825-836
structural geology, Mojave Desert 2: 196-221; 7: 920-938
Unkar Group
structural geology 2: 163-180
uplifts *see also* exhumation
Argentina, Neogene 6: 728-742
Arizona, structural analysis 4: 532-535
California, Neogene 6: 728-742
Upper Cretaceous *see* Senonian
Upper Jurassic *see* Kimmeridgian
Upper Ordovician *see* Maquoketa Formation; Utica Shale
upper Pleistocene *see* Wisconsinan
upper Precambrian *see* Proterozoic
uraninite *see also* uranium ores
Pakistan, tectonophysics 5: 625-639
uranium
U-238/U-234, Idaho 9: 1133-1141
uranium disequilibrium
Idaho, hydrogeology 9: 1133-1141
Texas, Quaternary 12: 1532-1543
uranium ores
Gabon 1: 32-62
uranium-lead *see* U/Pb
uranium-series method *see* uranium disequilibrium
uranium-thorium *see* Th/U
Utah
petrology 10: 1343-1356
stratigraphy
Kane County Utah 3: 373-387

Washington County Utah 3: 373-387
structural geology
Juab County Utah 7: 895-907
Millard County Utah 7: 895-907
Mineral Mountains 7: 895-907
Sevier Desert 7: 895-907
Utica Shale 8: 1067-1078
Valais Switzerland
structural geology 5: 604-614
Valle d'Aosta Italy
structural geology 5: 604-614
valleys
Mississippi Valley, Quaternary 5: 615-624
Ventura County California
paleomagnetism 9: 1171-1178
Venus *see* coronae
Veracruz Mexico
solution features 7: 837-854
Vermont
structural geology
Windham County Vermont 10: 1282-1298
Windsor County Vermont 10: 1282-1298
Vertebrata *see* Tetrapoda
very long baseline interferometry
plate tectonics 12: 1580-1592
Victoria Land *see* McMurdo dry valleys
volcanic arcs *see* island arcs
volcanic ash
California, Quaternary 7: 855-869
volcanic clay *see* bentonite
volcanic features *see* calderas; cinder cones
volcanic fields
Arizona, stratigraphy 11: 1467-1485
volcanic processes *see* volcanism
volcanic risk
Peru, Quaternary 12: 1593-1610
volcanic rocks *see also* andesites; basalts; dacites; pyroclastics; volcanism
Newfoundland
stratigraphy 9: 1161-1170
tectonophysics 4: 443-453
volcanicity *see* volcanism
volcaniclastics
Mongolia, stratigraphy 12: 1560-1579
Newfoundland, stratigraphy 9: 1161-1170
Trinidad and Tobago, stratigraphy 2: 256-264
Utah, stratigraphy 3: 373-387
volcanics *see* volcanic rocks
volcanism *see also* ash flows; calderas; cinder cones; eruptions; explosive eruptions; lava; pyroclastic flows; shield volcanoes; submarine volcanoes; volcanic fields; volcanic risk
Mexico 6: 760-773
metal ores 10: 1357-1374
structural geology 6: 693-703
Utah, stratigraphy 3: 373-387
volcanoes *see* shield volcanoes; stratovolcanoes; submarine volcanoes
volume susceptibility (magnetic) *see* magnetic susceptibility
Washington
Quaternary
Mason County Washington 10: 1299-1311
Pierce County Washington 10: 1299-1311
Puget Lowland 4: 482-494; 10: 1299-1311
Puget Sound 10: 1299-1311
Snohomish County Washington 4: 482-494
Thurston County Washington 10: 1299-1311
Whatcom County Washington 2: 274-288
sediments, Lewis County Washington 6: 673-681
structural geology
Chelan County Washington 11: 1423-1442
Snohomish County Washington 11: 1423-1442
Washington County Rhode Island
Quaternary 6: 714-727
Washington County Utah
stratigraphy 3: 373-387
waste disposal *see* underground installations
waste, radioactive *see* radioactive waste
water-mineral interface *see* mineral-water interface
water-rock interaction
Idaho, hydrogeology 9: 1133-1141
Indonesia, geothermal energy 9: 1179-1192
weathering
chemical weathering,
Antarctica 11: 1401-1408
physical weathering
Antarctica 11: 1401-1408
Nevada 3: 305-319
Wegener hypothesis *see* continental drift
West African Shield
stratigraphy 9: 1161-1170
West Indies *see* Antilles
West Pacific *see* Northwest Pacific
West Pakistan *see* Pakistan
Western Australia *see* Kimberley Basin
Western Canada *see* British Columbia
Western Europe *see* France; Scandinavia; United Kingdom
wetlands
Mexico, ground water 3: 403-416
Whatcom County Washington
Quaternary 2: 274-288
White-Inyo Range *see* Inyo Mountains
Wilkes Formation
sediments 6: 673-681
Williamson County Texas
Quaternary 12: 1532-1543
Wilson County Tennessee
stratigraphy 8: 1067-1078
Windham County Vermont
structural geology 10: 1282-1298
Windsor County Vermont
structural geology 10: 1282-1298
Wisconsin
structural geology 8: 996-1009
Wisconsinan
Washington 2: 274-288
wrench faults
California, plate tectonics 12: 1580-1592
North Carolina, Paleocene 5: 591-603
Wyatt Formation
geochemistry 3: 360-372
xenoliths
Mexico 6: 760-773
Yakutat Bay
Quaternary 3: 388-402
Yavapai County Arizona
stratigraphy 11: 1467-1485
Yolla Bolly Terrane
structural geology 2: 181-195
Yosemite National Park
geochemistry 11: 1486-1502
Yucatan Mexico
ground water 3: 403-416
Yucatan Peninsula *see* Chicxulub Crater
zircon
California, geochemistry 11: 1486-1502
Mexico
magmas 4: 521-531
petrology 10: 1343-1356
Newfoundland, stratigraphy 9: 1234-1246
Norway, metamorphic rocks 5: 640-649
Pakistan, structural geology 11: 1443-1455
United States, petrology 10: 1343-1356

The Geological Society of America Bulletin
Author Index to Volume 113, No. 1-12, 2001

Abdrakhmatov, K. Ye. 12:1544-1559
Aiello, I. W. 4:469-481
Allen, Philip A. 8:1052-1066
Altaner, Stephen P. 4:536-544
Amidon, Lorin J. 9:1193-1204
Amjad, S. 8:1039-1051
Amory, J. 12:1560-1579
Anders, Mark H. 7:895-907
Anderson, R. Ernest 4:532-535
Andreasson, Fredrik P. 6:774-789
Aranda-Gomez, J. Jorge 6:760-773
Argus, Donald F. 12:1580-1592
Aslan, Andres 11:1456-1466
Atwater, Brian F. 9:1193-1204
Austrheim, Hakon 5:640-649
Autin, Whitney J. 11:1456-1466
Bachl, Carolyn A. 9:1213-1228
Badamgarav, D. 12:1560-1579
Badarch, G. 12:1560-1579
Bane, Tristan 6:790-798
Banner, Jay L. 12:1532-1543
Barclay, David J. 3:388-402
Barnhardt, Walter A. 9:1193-1204
Barsbold, R. 12:1560-1579
Barth, Andrew P. 10:1343-1356
Barton, Mark D. 10:1357-1374
Barton, Mark D. 11:1409-1422
Baumgartner, Peter O. 1:129-143
Belknap, Daniel F. 12:1522-1531
Bell, T. H. 10:1282-1298
Benammi, Mouloud 2:265-273
Benn, Douglas I. 5:590
Benson, A. M. 8:1079-1091
Benson, Boyd E. 9:1193-1204
Bergstrom, Stig M. 8:1067-1078
Bierman, Paul R. 2:241-255
Bill, Markus 1:129-143
Bingen, Bernard 5:640-649
Blatter, Dawnika L. 10:1324-1342
Blusztajn, J. S. 8:1039-1051
Bock, Juliane M. 3:346-359
Bolhar, Robert 2:181-195
Bondevik, Stein 9:1193-1204
Bouchez, Jean-Luc 8:976-995
Bourgeois, Joanne 4:482-494
Brady, Robert J. 4:419-442
Bray, C. J. 8:1010-1024
Bryant, Sarah Smith 6:714-727
Bullen, M. E. 12:1544-1559
Bunds, Michael P. 7:908-919
Burbank, D. W. 12:1544-1559
Burgess, Peter M. 8:1052-1066
Burke, Raymond M. 2:241-255
Butler, Jessica 6:714-727
Buynevish, Ilya V. 12:1522-1531
Caffee, Marc W. 2:241-255
Calkin, Parker E. 3:388-402
Calvert, Andrew 7:855-869
Carmichael, Ian S. E. 10:1324-1342
Castellarin, A. 1:4-19
Castle, James W. 7:801-812
Castonguay, Sebastien 1:144-160
Cawood, Peter A. 4:443-453
Cawood, Peter A. 8:1025-1038
Cawood, Peter A. 9:1234-1246
Chaimanee, Yaowalak 2:265-273
Chamberlain, Kevin R. 5:575-590
Chen, Wen-Shan 10:1249-1271
Chen, Yue-Gau 10:1249-1271
Cheng, Hai 12:1532-1543
Christiansen, Eric H. 3:373-387
Christie-Blick, Nicholas 7:895-907
Christie-Blick, Nicholas 10:1343-1356
Cibin, U. 1:4-19
Clark, David L. 10:1272-1281
Clark, M. K. 8:1039-1051
Clift, P. D. 8:1039-1051
Combs, Deanna M. 12:1532-1543
Connelly, James N. 4:521-531
Corkeron, Maree L. 9:1121-1132
Cox, Randel Tom 5:615-624
Crossey, Laura J. 4:536-544
Curtis, Michael L. 7:939-958
D'Alessandro, A. 5:545-560
Davaud, E. 5:545-560
Davis, William J. 5:640-649
Davisson, Cole 2:196-221
Day, Howard W. 8:1105-1118
de Ronde, C. E. J. 8:1010-1024
de Saint-Blanquat, Michel 8:976-995
Dehler, Carol M. 2:163-180
Deino, Alan L. 3:373-387
Deino, Alan L. 10:1324-1342
Deng, Xinhua 4:495-507
Dickinson, William R. 9:1142-1160
Dickson, Stephen M. 12:1522-1531
Dobson, P. F. 9:1179-1192
Donnelly, Jeffrey P. 6:714-727
Dott, R. H. 8:996-1009
Dowling, Jennifer 6:714-727
Ducrocq, Stephane 2:265-273
Duebendorfer, Ernest M. 4:532-535
Duebendorfer, Ernest M. 5:575-590
Dunne, George C. 4:419-442
Dunning, Greg R. 4:443-453
Easterbrook, D. J. 2:274-288
Edwards, R. Lawrence 12:1532-1543
Eriksson, Kenneth 2:196-221
Erslev, Eric A. 1:63-74
Everett, Brent H. 3:373-387
Ewing, Rodney C. 1:32-62
Fabel, Derek 7:825-836
Fagan, Timothy J. 8:1105-1118
Fan, Linda 6:714-727
Faulds, James E. 9:1213-1228
Faure, K. 8:1010-1024
Fenster, Michael S. 12:1522-1531
Feraud, Gilbert 1:144-160
Finizola, Anthony 12:1593-1610
Finkelstein, David B. 4:536-544
Fiske, Richard S. 7:813-824
FitzGerald, Duncan M. 12:1522-1531
Fornari, Michel 12:1593-1610
Fraser, James E. 11:1443-1455
Frechen, Manfred 12:1593-1610
Froitzheim, Nikolaus 5:604-614
Gaedicke, C. 8:1039-1051
Galewsky, Joseph 8:1052-1066
Ganis, G. Robert 1:109-128
Garver, J. I. 12:1544-1559
Gehrels, George 8:961-975
Gehrels, George E. 10:1343-1356
Geissman, John W. 2:163-180
George, Annette D. 9:1121-1132
Ghibaudo, G. 5:545-560
Gillespie, Alan R. 2:241-255
Glazner, Allen F. 11:1486-1502
Gordon, Richard G. 12:1580-1592
Graham, S. A. 12:1560-1579
Granger, Darryl E. 7:825-836
Grantz, Arthur 10:1272-1281
Grathoff, Georg H. 8:1092-1104
Grimm, Eric C. 6:682-692
Guex, Jean 1:129-143
Hacker, B. R. 12:1560-1579
Hacker, Bradley R. 8:1105-1118
Hagstrum, J. T. 4:469-481
Hampton, B. A. 11:1387-1400
Hansen, Barbara C. S. 6:682-692
Harff, Peter A. 11:1377-1386
Harris, James B. 5:615-624
Harris, W. Burleigh 5:591-603
Hausmann, Neil 6:714-727
Hay, R. L. 12:1505-1521
Hay, Richard L. 4:536-544
Hay, Richard L. 8:1092-1104
Heider, Franz 3:346-359
Heizler, Matthew T. 2:163-180
Henderson, Gideon M. 7:881-894
Hendrix, M. S. 12:1560-1579
Hendry, James P. 6:790-798
Hendy, Ingrid 3:346-359
Henry, Christopher D. 6:760-773
Hickey, K. A. 10:1282-1298
Hickman, S. 9:1179-1192
Hildebrand, P. R. 5:625-639
Hill, N. 8:1079-1091
Hodges, Kip V. 2:222-240
Hodkinson, Damian G. 11:1409-1422
Holliday, Vance T. 1:75-87
Holliday, Vance T. 1:88-108
Holm, Richard F. 11:1467-1485
Horng, Chorng-Shern 10:1249-1271
Horton, Brian K. 5:560
Horton, Brian K. 11:1387-1400
Housh, Todd B. 6:760-773
Huff, Warren D. 8:1067-1078
Huftile, Gary J. 4:454-468
Hurtado, Jose M., Jr. 2:222-240
Iizasa, Kokichi 7:813-824
Jaeger, Jean-Jacques 2:265-273
James, Eric W. 12:1532-1543
Jensen, Keld Alstrup 1:32-62
Johnson, C. L. 12:1560-1579
Johnson, Clark M. 7:870-880
Johnson, Samuel Y. 4:482-494
Johnson, Thomas M. 9:1133-1141
Jones, Caron S. 5:575-590
Karlsson, Haraldur R. 5:659-670
Karlstrom, Karl E. 2:163-180
Kath, Randy L. 10:1312-1323
Kelley, Joseph T. 12:1522-1531
Kennett, James P. 3:346-359
Kenny, Ray 5:650-658
Klaus, Adam 7:813-824
Kleinert, Katrin 6:728-742
Knauth, L. Paul 5:650-658
Kodama, K. P. 9:1171-1178
Kolata, Dennis R. 8:1067-1078
Kominz, Michelle A. 3:291-304
Kovanen, D. J. 2:274-288
Kowallis, Bart J. 3:373-387
Krueger, Scot W. 7:895-907
Ku, Teh-Lung 9:1133-1141
Kuhle, Andrika J. 5:561-574
Kyser, T. Kurtis 12:1505-1521
Labotka, Theodore C. 10:1312-1323
Larsen, Daniel 4:536-544
Laurin, Michel 9:1229-1233
Law, Richard D. 2:196-221
Law, Richard D. 8:976-995
Lawrence, Robert D. 3:320-332
Lawton, Timothy F. 9:1142-1160

Layne, G. D. 8:1039-1051
Lee, Jeffrey 7:855-869
Legeley-Padovani, Annick 12:1593-1610
Legorreta, Odranoel Quintero 6:693-703
Link, Paul K. 10:1343-1356
Little, T. A. 8:1079-1091
Lockner, D. A. 9:1179-1192
Luhr, James F. 6:760-773
Luo, Shangde 9:1133-1141
Lyons, W. Berry 11:1401-1408
Mac Niocaill, Conall 9:1161-1170
Mack, Larry E. 12:1532-1543
Malone, Mitchell J. 7:881-894
Marr, Jeffrey G. 11:1377-1386
Martinez, Margarita Lopez 6:693-703
Martinez, Miguel Carrillo 6:693-703
Massari, F. 5:545-560
Masson, Henri 1:129-143
Matzka, Jurgen 3:346-359
McCausland, Phil J. A. 4:443-453
McDowell, Fred W. 4:521-531
McIntosh, William C. 5:561-574
McIntosh, William C. 6:760-773
McLaurin, Brett T. 5:591-603
McLing, Travis L. 9:1133-1141
McNamara, Allen K. 9:1161-1170
Merritt, David M. 9:1205-1212
Millar, Ian L. 3:360-372
Miller, Brent V. 11:1486-1502
Miller, Calvin F. 9:1213-1228
Miller, Jonathan S. 9:1213-1228
Miller, Robert B. 11:1423-1442
Moore, D. E. 9:1179-1192
Moore, Duane M. 8:1092-1104
Morgan, Sven S. 8:976-995
Muhs, Daniel R. 1:75-87
Murrell, Michael T. 9:1133-1141
Musgrove, MaryLynn 12:1532-1543
Mustoe, George E. 6:673-681
Naka, Jiro 7:813-824
Nanayama, Futoshi 9:1193-1204
Nelson, Stephen T. 5:659-670
Nemchin, Alexander A. 9:1234-1246
Newby, Paige 6:714-727
Nezat, Carmen A. 11:1401-1408
Niem, Alan R. 3:320-332
Niemi, Nathan A. 4:419-442
Noble, Paula J. 2:256-264
Noble, S. R. 5:625-639
Noble, Stephen R. 11:1443-1455
O'Dogherty, Luis 1:129-143
Owen, Lewis A. 5:590
Paces, James B. 5:659-670
Palmer, Arthur N. 7:825-836
Paris, Jack F. 3:403-416
Parker, Gary 11:1377-1386
Parrish, R. R. 5:625-639
Parrish, Randall R. 11:1443-1455
Patchett, P. Jonathan 11:1409-1422
Paterson, Scott R. 11:1423-1442
Pazzaglia, Frank 3:305-319
Pease, Victoria L. 10:1272-1281
Pederson, Joel 3:305-319
Pekar, Stephen F. 3:291-304
Perkins, William T. 6:790-798
Pessoa, R. R. 4:508-520
Peters, Mark T. 5:659-670
Phillips, R. L. 10:1272-1281
Pope, Kevin O. 3:403-416
Porter, M. 12:1560-1579
Purdy, Edward G. 7:837-854
Qayyum, Mazhar 3:320-332
Ratajeski, Kent 11:1486-1502
Reisz, Robert R. 9:1229-1233
Rejmankova, Eliska 3:403-416
Renne, Paul R. 10:1324-1342
Repetski, John E. 1:109-128
Rhodes, Edward J. 5:590
Richards, Ben W. M. 5:590
Ridgway, Kenneth D. 10:1249-1271
Riley, Teal R. 3:360-372
Ring, Uwe 2:181-195
Roback, Robert C. 9:1133-1141
Roldan-Quintana, Jaime 4:521-531
Roldan-Quintana, Jaime 11:1409-1422
Rubin, Charles M. 7:855-869
Ruffet, Gilles 1:144-160
Ruiz, Joaquin 11:1409-1422
Rusmore, Margaret E. 8:961-975
Saleeby, Jason B. 4:419-442
Schermer, E. R. 7:920-938
Schluter, H. U. 8:1039-1051
Schmitz, Birger 6:774-789
Schneider, Julius 3:346-359
Schott, Ronald C. 7:870-880
Searle, M. P. 5:625-639
Searle, Michael P. 11:1443-1455
Shanmugam, G. 11:1377-1386
Sharp, Warren D. 4:532-535
Shea, Kai-Shuan 10:1249-1271
Sherrod, Brian L. 10:1299-1311
Shimizu, N. 8:1039-1051
Shulene, John A. 9:1193-1204
Shuman, Bryan 6:714-727
Sial, A. N. 4:508-520
Sibson, R. H. 8:1010-1024
Sinclair, Hugh D. 8:1052-1066
Skjerdal, Gudrun 9:1193-1204
Slowey, Niall C. 7:881-894
Smith, Gary 3:305-319
Smith, Gary A. 5:561-574
Snoke, Arthur W. 2:256-264
Spadafora, E. 1:4-19
Spencer, Joel Q. 5:590
Spencer, Jon E. 3:333-345
Staude, John-Mark G. 10:1357-1374
Stephens, K. A. 7:920-938
Stern, Jennifer 6:714-727
Stewart, John H. 10:1343-1356
Storey, Bryan C. 3:360-372
Strecker, Manfred R. 6:728-742
Stump, Edmund 3:360-372
Suhr, Gunter 8:1025-1038
Suni, Jaime 12:1593-1610
Suteethorn, Varavudh 2:265-273
Suter, Max 6:693-703
Switzer, Douglas D. 6:743-759
Taylor, Wanda J. 6:743-759
Thouret, Jean-Claude 12:1593-1610
Timmons, J. Michael 2:163-180
Tingey, David G. 5:659-670
Townsend, D. B. 8:1079-1091
Tremblay, Alain 1:144-160
Tsutsumi, Hiroyuki 4:454-468
Underwood, Michael B. 4:495-507
Valencia-Moreno, Martin 11:1409-1422
Van Arsdale, Roy B. 5:615-624
van der Pluijm, Ben A. 9:1161-1170
Van der Voo, Rob 9:1161-1170
Van Dissen, R. J. 8:1079-1091
Waanders, G. L. 11:1387-1400
Walker, J. D. 7:920-938
Walsh, Stephen L. 6:704-713
Ward, Peter D. 9:1171-1178
Ward, Stephen 5:659-670
Wareham, Christopher D. 3:360-372
Waters, D. J. 5:625-639
Watts, William A. 6:682-692
Web, Thompson, III 6:714-727
Webb, L. E. 12:1560-1579
Weinberg, R. F. 4:508-520
Weinberger, Ram 1:20-31
Welch, Kathleen A. 11:1401-1408
Wemmer, Klaus 8:1092-1104
Wernicke, Brian P. 4:419-442
Westover, Karlyn 6:714-727
Whipple, Kelin 2:222-240
Wiles, Gregory C. 3:388-402
Willard, Debra A. 10:1272-1281
Williams, S. Henry 1:109-128
Wills, Stewart 7:895-907
Winterer, Edward L. 7:837-854
Wohl, Ellen E. 9:1205-1212
Woodsworth, G. J. 8:961-975
Wrucke, Chester T. 10:1343-1356
Yamaguchi, David K. 9:1193-1204
Yeats, Robert S. 4:454-468
Yeh, Ming-Guan 10:1249-1271
Yuasa, Makoto 7:813-824
Zehfuss, Paul H. 2:241-255
Zhang, Chengning 3:373-387
Zuffa, G. G. 1:4-19
Zurcher, Lukas 11:1409-1422